CONSTRUCTION NEWS

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RAILWAYS.

*(*Denotes that this work is advertised in Engineering News.)*

✚NEW JERSEY.—Erie R. R.—The Erie R. R. has awarded contracts for double tracking several short lines, as follows: Milton to Summit, six miles, and Creston to I. M. Tower, nine miles, awarded to BATES & RODGERS, Chicago, Ill.; West Salem to Polk, five miles, awarded to FERGUSON & EDMONDSTON, Brookville, Pa.; Barberton to Sherman, three miles, and Tallmadge to Hills, three miles, to ROBERT GRACE CO., Cleveland, Ohio.

MARYLAND.—Steps are being taken to build the proposed railroad between Baltimore and Drum Point, Md., about 90 miles. Considerable grading was done some time ago, beginning near Millersville, Md., about 20 miles south of Baltimore, and it is now proposed to start work at that point, making an immediate connection with the Washington, Baltimore & Annapolis Electric Ry. Among those interested are L. M. Sturgis, C. H. Anderson and L. E. Holloman, Gaither Bldg., Baltimore. H. L. White, formerly Supervisor of the Norfolk & Southern, also of the New York, Philadelphia & Norfolk R. R., is to have charge of construction.

NORTH CAROLINA.—South Atlantic Transcontinental R. R.—C. J. Lantry, of Chicago, Ill., it is reported, at a meeting of promoters of the South Atlantic Transcontinental R. R., held before the Governor and Council, stated that $11,000,000 of French capital had been secured for construction of a line, which has been agitated for several years by Col. S. A. Jones, Waynesville, N. C., and W. E. Breese, Jr., Brevard, N. C. The line will probably be completed within two years.

LOUISIANA.—Maurepas & Northern R. R. —A road is contemplated to extend from Clio to Live Oak, La., by way of Walker, about 60 miles. Four short steel bridges will be required. S. J. McKenzie is Pres., and J. R. McKenzie is Ch. Engr., both of Adrian, Minn.

✚LOUISANA.—St. Louis & San Francisco R. R.—A contract for grading a 75-mile extension of the New Orleans, Texas & Mexico Division has been awarded to M. L. LINNAN, Baton Rouge. The branch will extend from Erwinville and will pass through Baton Rouge and oPinte Coupee. F. G. Jonah, St. Louis, Mo., is Ch. Engr. Constr.

✚IOWA.—Rock Island Co.—The contract has been let for grading 60 miles of road for the construction of a new line in Iowa, which is to run from Carlisle, which is twelve miles south of Des Moines, to Allerton, in Wayne County. The cost of this development being approximately $1,000,000. Robert Walker, 115 Broadway, New York, N. Y., is Pres.

KANSAS.—Winnipeg, Salina & Gulf R. R.—Press reports state that a bond issue of $20,000,000 has been made by this company for the building of a railroad from Salina to Oklahoma City through Alva, Fairview, Okene and Kingfisher. During the coming year $10,000,000 will be spent. A branch line running west through the Oklahoma Panhandle to Des Moines, N. Mex., is projected. H. Leone Miller, Salina, Kan., is Pres. and Gen. Mgr.; Otto Peterson is Vice-Pres.; M. H. Potter is Treas.; H. J. Nesmith is Secy.; George T. Stevenson, M. J. Quinn, R. C. Wilson, B. F. Brown, I. H. Leith, Joseph B. Lockard and K. J. Russom are the directors.

TEXAS.—Houston & Texas Central R. R.—Surveys for the proposed cut-off line which the Houston & Texas Central will construct between Giddings and Stone City will soon be finished and the contract will be let in the near future. The proposed line will form a connecting link between the Houston & Texas Central R. R. line and the San Antonio & Aransas Pass line. T. Fay, Houston, Tex., is Vice-Pres. and Gen. Mgr.

San Antonio & Rio Grande Ry.—The line that is now in operation from San Juan to Edinburg, 20 miles, will be extended to Falfurrias, about 75 miles, where it will connect with a branch of the San Antonio & Aransas Pass Ry. G. C. Moore, Cambridge Springs, Pa., and associates, who recently purchased the Butler ranch of 40,000 acres, situated about midway between Falfurrias and Edinburg, are said to be interested in the proposed extension. F. C. Mix, Chapin, Tex., is Agt.

OKLAHOMA.—Oklahoma Pacific R. R.—It is reported that a road is projected to start at a point on the Texas boundary west of Cheyenne to Oklahoma City, with a branch to the boundary line of Texas south of Comanche County. Total length, 275 miles. This is a recently incorporated company and among the incorporators are: R. K. Kelley, L. K. Rodbyack and Alonzo Osborne, Mountain Park, Okla., and G. M. Hohl and Samuel Bretch, Hobart, Okla.

✚COLORADO.—Denver, Laramie, & North Western R. R.—A contract has been awarded to JAMES G. ORMAN for building a 12-mile section of road located about four miles northwest of Greeley, Colo. Cost, $220,000. This is a part of a line to Wellington, Colo. W. D. H. Hodge, Railway Exchange Bldg., Denver, Colo., is Ch. Engr.

ONTARIO.—Canadian Northern Ry.—Bids will be received until July 1 by MacKenzie, Mann & Co., Ltd., 1 Toronto St., Toronto, for the construction of the following sections of railway: (a) Port Arthur to a point on the boundary line between Districts of Thunder Bay and Algoma; (b) from end of Section 1 to Kapuskasing Lake; (c) Kapuskasing Lake to Sellwood Junction. Bids will include clearing, grubbing, grading, bridges, trestles, culverts, masonry, fencing, telegraph line, tracklaying and ballasting. Plans and specifications may be seen at the offices of Mackenzie, Mann & Co., Ltd. Work to be completed by Oct. 1, 1913.

Hudson Bay Ry.—Bids will be received until Aug. 1 by L. K. Jones, Secy. Dept. Rys. and Canals, Ottawa, Ont., for the construction of the 185-mile railway from Pas Mission to Thicket Portage. Plans and specifications may now be seen at the office of Chief Engineer Department, Ottawa, and at the office of Chief Engineer Hudson Bay Ry. Co., Winnipeg. Noted June 1.

ELECTRIC RAILWAYS.

(✚Denotes a contract awarded.)

HOUSATONIC, MASS.—The Berkshire St. Ry. Co. has been granted permission to build contemplated improvements. Noted on June 1.

CICERO, N. Y.—The Syracuse, Watertown & St. Lawrence River R. R. Co. has petitioned the Public Service Commission for authority to build a railroad from a connection with the Syracuse & South Bay Electric R. R. at Cicero, Onondaga County, to Brewerton, a distance of 6½ miles. The authorized capital stock of the company is $1,250,000, and the estimated cost of the road to be built is $300,000. C. D. Beebe and William Nottingham, of Syracuse, are interested.

SYRACUSE, N. Y.—The Syracuse Rapid Transit Co. has accepted the recommendations of the Public Service Commission that it expend about $1,000,000 during the next five years in extensions, improvements and additional equipment. Some of these improvements will be begun in the near future. The requirements of the commission are for two additional transformer stations costing $158,090; 34 new double-truck cars at $6,000 each, $204,000; change in location of present East Syracuse line including double-tracking from James St. and Hawley Ave., to James St. and city line, $188,964; East Syracuse extension, Burnett Ave., double tracks, $260,371; double-tracking Seneca Turnpike from Salina St. to the Valley, $60,300; double-tracking in the village of Solvay, $37,100; double tracks through Willow St., from Townsend to Lodi Sts., $29,984.

YONKERS, N. Y.—The Public Service Commission has approved the proposed issue by the Yonkers R. R. Co. of $91,000 receiver's certificates, the proceeds of which will be used to construct a trolley line in Nepperhan Ave., from Lake Ave. to the north city line. Leslie Sutherland is Receiver, and George J. Murphy is Supt. Noted on March 23.

EAST SYRACUSE (Syracuse post-office), N. Y.—A franchise has been granted to the Rapid Transit Co. to double-track its line for a distance of 4,000 ft. on Manlius St., between Bridge and Clark Sts.

PHILADELPHIA, PA.—The American Rys. Co., Philadelphia, has completed arrangements for the purchase of the Ohio Valley Electric Ry. Co., operating the Huntington system, the line between Huntington and Ashland, the Ashland-Catlettsburg system, and the Ironton-Hanging Rock system. A bond issue of $2,000,000 has been planned, and it is reported $300,000 will be used for improvements and extensions. H. J. Crowley, 904 Witherspoon Bldg., Philadelphia, is Gen. Mgr.

✚PITTSBURG, PA.—The contract for building an extension from Vance's Mills to Philadelphia, a distance of two miles, has been awarded to REAGOM & LYNCH, Uniontown, by the West Penn. Rys. Co. J. L. Fritsch, Connellsville, is Ch. Engr.

SUNBURY, PA.—A charter has been filed by the Northumberland County Traction Co. to do business in Northumberland, Snyder, Montour, Columbia, Luzerne, Schuylkill and Lycoming Counties. The company will furnish a link from Williamsport along the Susquehanna River to the coal regions.

WAYNESBURG, PA.—Bids will be received until June 10, and opened on June 12, at 10 a. m., by the Waynesburg & Blackville St. Ry. Co., at its office in Waynesburg, for the construction of a 13-mile railway between Waynesburg and Blackville. A tunnel, 500 ft. long, will be built. Specifications may be seen at the Waynesburg office.

ROMNEY, W. VA.—The Twin Mountain & Potomac Ry. Co. has been chartered to build a line from McNeal on the Hampshire Southern Ry., in Hardy County, to Twin Mountain in Grant County. The incorporators are: R. T. Cunningham, H. R. Heintzelman, J. M. Brownfield, Kemble White and E. A. Russell, all of Fairmount, W. Va.

PARKERSBURG, W. VA.—The Parkersburg, Marietta & Interurban Ry. Co. is preparing plans for an extension from Parkersburg to Fairview Heights. J. P. Horstman, Parkersburg, is Ch. Engr.

✚LOGAN, W. VA.—The Dingess Run Coal Co. has awarded a contract to CHARLES E. PRICE, it is reported, to build a 7-mile railroad from a connection with the Guyan Valley branch of the Chesapeake & Ohio Ry., up Run Creek, to coal and timber lands in Logan County.

ASHEVILLE, N. C.—The Asheville Electric Co. has been granted a franchise to extend its tracks in Asheville. H. W. Plummer, Ashville, is Gen. Mgr.

FAYETTEVILLE, N. C.—The Fayetteville St. Ry. & Power Co. has been granted a franchise to extend its tracks on Hay St. J. S. Newton, Fayetteville, is Secy. This company is controlled by the Consolidated Ry. & Power Co., Fayetteville.

BILOXI, MISS.—The Gulfport & Mississippi Coast Traction Co., of Gulfport, Miss., has applied for a franchise to build its tracks through Biloxi. W. F. Gorenflo, Gulfport, is Gen Mgr.

VICKSBURG, MISS.—The Vicksburg Traction Co. has made application for a franchise to build an extension of its Water St. line to Waters. Thomas Hunt, Vicksburg, is Ch. Engr.

JOHNSON CITY, TENN.—The Johnson City, Milligan & Elizabethton Electric Ry. Co. will build its proposed 12-mile line in the near future. John G. Burchfield is Pres.; W. G. Payne is Vice-Pres., A. B. Bowman is Treas., J. N. Edens is Secy. The directors are J. H. Smith and W. C. Burchfield.

SHELBYVILLE, KY.—The Louisville & Interurban Ry. Co. has been granted a franchise to build a railway through certain streets. T. J. Minary, Louisville, is Gen. Mgr.

INDIANAPOLIS, IND.—The Indianapolis, Nashville & Southern Ry. Co. announces that bids will soon be asked for the construction of a traction road through Marion, Morgan, Brown and Orange Counties. John A. Johnson is Pres. and Thomas F. Wakeland is Secy.

SAGINAW, MICH.—The Saginaw Valley Traction Co. will build an extension to Bay City, it is stated. F. T. Hepburn, Saginaw, is Gen. Mgr.

NEW IBERIA, LA.—The Southwestern Traction & Power Co., New Orleans, has been granted a 25-year franchise to build a railway system in this city. This is part of a plan to build a line from New Iberia to Jeanerette. A franchise has been applied for at Jeanerette.

ROCHESTER, MINN.—The Suburban Electric Construction Co. has been organized to construct an interurban railway which will give a direct road to Minneapolis and St. Paul, from Rochester, about 75 miles. It is the intention to use the tracks of the Twin City Transit Co. in the cities and to South St. Paul, and from there the line will be built to Hastings, then to Cannon Falls, to Zumbrota and to Rochester. The road to Hastings will probably be built this year and completed to Rochester by the latter part of next year. A. T. Stebbins, Rochester, is Pres.; Edwin Feldhauser, St. Paul, is Vice-Pres.; John Henon, Hastings, is Secy. and Treas.; F. B. Seager, Cannon Falls; Otto Ackerman and Albert Scheller, Hastings, are Directors.

✚CRYSTAL CITY, TEX.—The Crystal City & Uvalde R. R. has awarded a contract to WARD & LEE, Gardendale, Tex., to build an extension from Gardendale to Dulls, Tex., about 25 miles.

SHERMAN, TEX.—John C. Wall, Mayor, and others are promoting the construction of an interurban railway between this city and Paris, Tex., by way of Bonham and Honey Grove, 65 miles. Preliminary arrangements are being made.

✚WAXAHACHIE, TEX.—The Commercial Club of Waxahachie has signed a contract with the STONE & WEBSTER ENGINEERING CORPORATION, 147 Milk St., Boston, Mass., for the construction of an interurban railway between Dallas and Waxahachie, work to begin within 60 days. The route from Oak Cliff, a suburb of Dallas by way of Lancaster, has been designated as far as Sterett, and from Sterett to Waxahachie the route has not been determined.

SAMFORDYCE, TEX.—The St. Louis, Brownsville & Mexico Ry. Co. will extend its line from Samfordyce to Roma, Tex., 45 miles, and ultimately to Laredo, Tex., a total distance of 110 miles. E. C. Burgess, Kingsville, Tex., is Ch. Engr.

NAMPA, IDAHO.—The Caldwell Traction Co. is perfecting plans for an extension of the line from Sebree to Nampa.

BELLINGHAM, WASH.—The Nooksack Valley Traction Co., Bellingham, contemplates building a railway connecting Bellingham, Lynden, Sumas, Blaine and Ferndale. A franchise has been applied for.

SEATTLE, WASH.—George W. White and associates have been granted a franchise to build a 4-mile line from Seattle to Lake Burien. Noted on April 6.

CENTRALIA, WASH.—A new traction company has been formed by Walter Copping, G. W. Mick, N. W. Mills, Bruce Richards and Daniel Salzer, to be known as the Centralia Electric Light & Traction Co. A line will be built from Centralia to Rochester, about 15 miles.

EUGENE, ORE.—The Lane County Asset Co., of Eugene, is promoting a railway from Eugene to Florence. A survey has been completed and right-of-way acquired over practically the entire route. H. D. Fornieri is Ch. Engr.

SAN MATEO, CAL.—Preparations are being made for a railway connecting San Mateo and San Francisco. W. M. Roberts, Pres. Bd. Trade, Percy L. Shuman, F. L. Brown and R. B. Hale are interested.

CHICO, CAL.—The Northern Electric Ry. Co. has received permission to build a double track line on Main St. A. D. Schindler, Alaska Commercial Bldg., San Francisco, is Gen. Mgr.

LOS ANGELES, CAL.—See item under Miscellaneous: Asphalt Plant, Los Angeles.

STOCKTON, CAL.—The San Joaquin Delta Electric R. R. Co., has been incorporated with a capital of $500,000 for the purpose of building a line from Stockton to Contra Costa.

LIGHT AND POWER PLANTS.

*(*Denotes that this work is advertised in Engineering News.)*

UXBRIDGE, MASS.—The contract for the addition to the power station owned by the Worcester Suburban Electric Co. has been awarded to E. D. WARD, Worcester. Arthur D. Little, Inc., Boston, is Engr.

BOSTON, MASS.—The City Council has rejected the bid of the Rising Sun St. Lighting Co. to light side streets and alleyways by gas for a period of ten years at $2,500,000, and instead a loan of $300,000 has been authorized for the purchase of equipment for lighting by gas with automatic devices for lighting and extinguishing. Noted on Feb. 9.

BOSTON, MASS.—See item under Miscellaneous Contracts. Aquarium, Boston, Mass.

WOONSOCKET, R. I.—Plans are being perfected by the Woonsocket Electric Machine & Power Co. to erect a concrete dam at Bernon pond at a point between the present old wooden dam and Bernon St. bridge. The new dam will be in the form of an arch. Stone & Webster, 147 Milk St., Boston, Mass., are in charge.

✚BRIDGEPORT, CONN.—The contracts for the erection of a new boiler house, 34 × 53 ft., for the Hartmann Brewing Co., will be let in the near future.

✚From plans of the Fletcher Engineering Co., of this city, the S. W. HUBBELL BUILDING CO. has been awarded the contract for the new power house to be built by the G. C. Batcheller & Co. The building will be of brick, 47 × 47 ft.

✚COSCOB, CONN.—The New York, New Haven & Hartford R. R. Co. has awarded the F. T. LEY CO., INC., of Springfield, Mass., and Waterbury, Conn., the contract for the erection of an addition to its power house here. The new buildings will be of brick, one story high, 111 × 244 ft., with Spanish tile roof. Noted on Feb. 2.

BINGHAMTON, N. Y.—Bids will be received until June 19 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for a conduit and wiring system and extension of present gas piping system at the U. S. post-office and court-house, Binghamton.

FULTON, N. Y.—The Fulton County Gas & Electric Co has been authorized by the Public Service Commission, Albany to issue $92,000 in 6% notes, proceeds to be used for improvements and extensions.

NEW YORK, N. Y.—Bids will be received until June 12 by C. B. J. Snyder, Supt. School Bldgs., Park Ave. and 59th St., New York, N. Y., for repairs, alterations and additions to the electric equipment in schools Nos. 2, 7, 34, 43, 160, 6, 57, 58 and 74.

PORT JEFFERSON, (L. I.) N. Y.—The Port Jefferson Electric Light & Power Co. has been authorized to issue bonds for $30,000, of which $8,800 will be used to purchase new apparatus.

✚ROCKVILLE CENTRE (L. I.), N. Y.—The contract for a boiler to be installed at the electric light plant has been awarded to the SPRINGFIELD MACHINE & BOILER CO. at $8,237.

SCHENECTADY, N. Y.—The General Electric Co., Schenectady, has purchased a site on Borden Ave., on which a branch plant will be built.

SYRACUSE, N. Y.—The Public Service Commission has authorized the Syracuse Lighting Co. to issue $456,000 bonds for the general extension and improvement of its gas and electrical departments. New stations at East Syracuse, Jamesville, Liverpool and Manlius will be erected. Noted on April 20.

SYRACUSE, N. Y.—The Syracuse Lighting Co. has been authorized to issue bonds for $456,000, to be used to improve and extend the gas and electric service. Noted on April 20.

WOLCOTT, N. Y.—The Northern Wayne Electric Light & Power Co. has been authorized by the Public Service Commission to purchase the Wolcott Electric Light & Power Co., of Wolcott, for $23,000; also to complete the construction of a pole line for the transmission of electricity from the substation of the Rochester & Sodus Bay Ry. Co., at Sodus, to the village of Red Creek, and from the village of North Rose to Rose; and the construction of the secondary distribution systems in the villages; and to issue its cap-

ital stock to the par value of $75,000, proceeds to be used for the purchase of the Wolcott plant and the construction of lines.

✚ALTOONA, PA.—The Penn Central Light & Power Co., 1412 Eleventh Ave., Altoona, has awarded contracts for trenching for a conduit system to the BELL-BOCKEL STONE CO. and H. G. HINKLE. The Bell-Bockel Co. has the section on Eleventh Ave., between Eleventh and 13th Sts., and on Eleventh St., between Tenth and Chestnut Aves. H. G. Hinkle has the section on Chestnut and Green Ave., Green Alley and Eleventh Ave., between Ninth and Eleventh Sts. About $250,000 will be expended for the entire extension.

*WASHINGTON, D. C.—Bids will be received until 2 p. m., June 12, for wiring and extension of electric-lighting system in buildings of Howard University, Washington, D. C. Plans and specifications may be obtained upon application to Chief Clerk of Department. Carmi A. Thompson is Assistant Secy. Advertised last week.

OCCOQUAN, VA.—Bids will be received until 2 p. m., June 9, for furnishing and installing steam-electric generating unit, switchboard and feeder system at District of Columbia Workhouse, Occoquan, Va. Specifications may be obtained at Room 427, District Bldg.

PANTHER, W. VA.—The Lathrop Coal Co., recently incorporated, will develop 500 acres. Electrical machinery will be installed. W. A. Lathrop is Pres., William Leckie is Vice-Pres. and Mgr., and A. G. Edwards is Secy.-Treas.

WASHINGTON, GA.—The City Council proposes to issue bonds of $30,000 to improve the municipal light and power system. About $10,700 will be expended to improve the electric light and power plants; the outside wiring will be repaired at a cost of $8,000; a transmission line will be built to the pumping station, where an electric pump will be installed to cost $6,300.

✚JACKSONVILLE, FLA.—Bids were opened on May 10 for furnishing necessary material and doing certain work in connection with the new electric power plant. The contract was awarded to JAMES N. BRUIN CO., Jacksonville. The Scofield Engineering Co., Philadelphia, Pa., is in charge of the engineering work.

JACKSONVILLE, FLA.—The Jacksonville Traction Co., formerly known as the Jacksonville Electric Co., has secured a permit for the erection of a 3-story power plant, of brick, concrete and corrugated galvanized iron construction, and framework of steel, roof of concrete, 200-ft. concrete stack. The machinery will include two 57-in. barometric condensers, three 600-HP. power tube boilers and two 1,200-KW. generators, feed and vacuum pumps, etc. The equipment will be capable of generating 2,400 KW. Estimated cost, about $500,000.

CENTERVILLE, ALA.—The Centerville Light & Power Co., Bibb County, has filed articles of incorporation with the Secretary of State. A capital stock of $15,000 has been paid in. The incorporators are: John P. Kennedy, H. E. Reynolds, J. N. Lightsey and O. C. Oakley.

FORT MORGAN, ALA.—We are officially advised that bids were received as follows on June 2 by the Constructing Quartermaster, U. S. A., Fort Morgan, for pump, switch-panel, transformer, transmission line, and 4-in. water main: A. M. Lockett Co., Ltd., New Orleans, La., $6,900. Newport Contracting & Engineering Co., Newport News, Va., $6,014. Mobile Electrical Supply Co., Mobile, Ala., $6,108. Anderson Martin Electric Co., New York, $5,474. W. C. Pease, Mobile, $4,640.

TUPELO, MISS.—Bids will be received by the Mayor and Board of Aldermen until 2 p. m., June 16, for the furnishing of the following machinery and materials. Plans and specifications are on file in the office of the City Clerk and at the office of the Consulting Engineer: Two cross compound condensing 4-valve or Corliss type engines, direct connected; two 250-KVA., 3-phase, 60-cycle, 2,400-volt 200 r. p. m., revolving field engine type generators, complete, with field rheostat; one motor-driven exciter and one steam-driven exciter of ample capacity to excite the above generators and running in parallel at 80% power factor; one generator voltage regulator; 125-light Tungsten system of street lighting and 15-light metallic flame street lighting system, complete, with rectifier; one 60-HP. 2,200-volt 3-phase 60-cycle 690 r. p. m., squirrel cage induction motor with chain drive; one 5-HP. 220-volt 3-phase 60-cycle 1,720 r. p. m., induction motor, direct-connected to centrifugal pump of capacity to deliver 350 gallons of water per min. against 15 lbs. pressure; seven transformers of 2½ KW. each; thirteen transformers of 5 KW. each; seven transformers of 7½ KW. each; eight transformers of 10 KW. each; marble switchboard, consisting of eight panels. Bids will also be received for materials for overhead pole-line construction. D. W. Robbins is Mayor; C. E. Goodlet is City Clk., R. C. Huston is Consult. Engr., 1634 Exchange Bldg., Memphis, Tenn.

MICHIGAN CITY, IND.—The Board of Control of the Northern State Prison is asking for bids for two new boilers, water pumps, generator and direct-connected engine, water heater, sterilizing disinfecting apparatus and railroad track scale.

CHIPPEWA FALLS, WIS.—It is stated that H. M. Byllesby & Co., Chicago, Ill., who surrendered the option of purchasing the power site of the Davis Falls Land Co. at Jim Falls for $1,000,000, is working on a new dam site at Eagle Rapids, eight miles below Jim Falls on the Chippewa River and acquiring power and flowage rights.

LOMIRA, WIS.—The Lomira Electric Light & Power Co. has awarded the general contract for the construction and equipment of an electric light and power plant to the ACKER ELECTRICAL CO., Sheboygan, Wis., at $12,000. It will have a 1,000 light capacity and power will be furnished by a 50-HP. steam or gas producer plant.

✚MADISON, WIS.—The Peninsula Power Co., Madison, has awarded the general contract for the construction of a dam, water power, equipment, etc., at Twin Falls on the Menominee River, five miles above Iron Mountain, Mich., to NEWTON ENGINEERING CO., 1202 Majestic Bldg., Milwaukee, at $750,000. Prof. D. W. Mead, Madison, Wis., is Ch. Engr., O. C. Davidson is Pres. Noted May 18.

✚FORT DODGE, IOWA.—The Northern Iowa Power Co., recently incorporated, has awarded the contract for a $178,000 hydraulic power plant to BUTLER BROS., St. Paul. The Security Trust Co., St. Paul, it is reported, is backing the project. An 18-ft. dam and an auxiliary steam plant will be built. Electrical generating machinery will be used.

MINNEAPOLIS, MINN.—The Minneapolis, St. Paul, Rochester & Dubuque Traction Co. will build a power-house on 26th St. in South Minneapolis. Cost, about $100,000. F. C. L. Hunt is Ch. Engr., Minneapolis.

ST. PAUL, MINN.—Plans are being considered by the St. Paul Southern Electric Ry. Co. for building new power-houses at Hastings and Lake City. W. L. Sontag, 810 Metropolitan Bldg., St. Paul, is Gen. Mgr.

BRAHAM, MINN.—The Village Council has granted a franchise to the Eastern Minnesota Power Co. An electric light plant will be built, it is stated.

DULUTH, MINN.—Plans for the construction of a municipal electric light plant are being prepared by C. L. Pillsbury, Minneapolis, and Oscar Clausen, St. Paul. H. W. Cheadle is City Clk. Cost, $700,000.

WINONA, MINN.—The Minnesota-Wisconsin Power Co. has been granted permission to build a power system through certain streets in this city.

BUTTE, MONT.—The City Council has authorized the expenditure of $12,000 to be used to extend the cluster lighting system in the streets.

LIBBY, MONT.—The Libby Water-Works, Electric Light & Power Co. is planning to install an electric light plant. It is reported work will be started soon.

✚COLUMBIA, MO.—Bids for the construction and equipment of a water and light plant at Columbia were opened by the Council on May 16. The following are the lowest bidders on the different sections and the lowest bidder on the entire plant, all in accordance with the specification: Section 1, boilers and stokers, John O'Brien Boiler Works Co., $23,475; Section 2, electrical apparatus, Westinghouse Electric & Mfg. Co., $14,970; Section 3, condenser and cooling tower, Reeves & Skinner Machine Co., $6,980; Section 4, feed-water heaters, Walter L. Flower Co., $859; Section 5, boiler feed pumps, Fairbanks-Morse & Co., $1,770; Section 6, service pumps, Reeves & Skinner Machine Co., $1,560; Section 7, chimney, Weber Chimney Co., $2,675; Section 8, coal and ash handling apparatus, Chain Belt Co., $9,535; Section 9, electric wiring, C. W. Furtney, Columbia, $500; Section 10, pipework, Urbaurer-Atwood Heating Co., $8,000; Section 11, building, L. W. Dumas, Jr., Construction Co., $17,519. Total of bids, $87,843. The lowest bidder on the entire contract covering all the sections, but not bidding separately on any section was John W. Danforth Co., Buffalo, N. Y., at $84,882. This bid being in excess of the appropriation for the work, certain parts of the work were deducted, and the contrast will be awarded to the JOHN W. DANFORTH CO. at $66,000. Superheaters and entire coal handling apparatus omitted, and other changes made. John S. Bicknell is City Clk. Noted May 11.

✚KANSAS CITY, MO.—The Metropolitan St. Ry. Co. has awarded a contract to the WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburg, Pa., for 25 quadruple equipments of No. 306 motors and K-35 control for these. The nominal rating of the No. 306 motor is 50 HP. at 500 volts and 60 HP. at 600 volts, corresponding to currents of 89 and 87 amperes respectively. J. C. McQuiston is Mgr.

✚CHILLICOTHE, MO.—The city has awarded contracts for the construction of an electric light and power plant as follows: J. E. MEEKS, of Chillicothe, Section 1, machinery and building foundation, $2,015, and Section 4, boilers and equipment, $5,274; JOHN GIER, of Chillicothe, Section 2, power-house building, $5,740; METAL CONCRETE CHIMNEY CO., St. Louis, Mo., Section 3, brick and concrete chimney, $1,440, and SQUIRE ELECTRICAL CONSTRUCTION CO., Kansas City, Mo., for 5,000-gallon tower and tank and various equipment, $30,405. The Fuller-Coult Co., St. Louis, Mo., is in charge of the engineering work.

CAMDEN, ARK.—Bids will be received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., July 3, for a conduit and wiring system, gas piping system and lighting fixtures at the U. S. post-office at Camden. Plans and specifications may be had at the office of James Knox Taylor or at the office of the Custodian, Camden, Ark.

HOT SPRINGS, ARK.—Bids will be received until 10 a. m., June 12, for constructing addition to power-house at Army and Navy General Hospital. Additional information may be obtained from Major G. D. Deshon, Q. M., U. S. A.

✚TALIHINA, OKLA.—The Talihina Light & Power Co. has awarded a contract to MULLERGREN ENGINEERING CO., Poteau, Okla., to construct an electric light plant. A 50-HP. boiler, 30-KW. 3-phase 2,300-volt generator and 40-HP. high speed engine, will be installed.

✚LAS CRUCES, N. MEX.—The Secretary of the Interior has awarded the following contracts for furnishing steam power plant for the Rio Grande Irrigation Project, N. Mex.: To the GENERAL ELECTRIC CO., of Schenectady, N. Y., for furnishing generators, exciters and switchboard, etc., at $31,371; W. N. ANDERSON, of El Paso, Tex., for furnishing condensers, boilers, etc., at $44,250. This plant will be used in building the large dam at Elephant Butte.

SILVER CITY, N. MEX.—The Gila River Development Co. contemplate the utilization of a 500-ft. fall and have retained H. von Schon, Consult. Engr., Detroit, Mich.

TUCSON, ARIZ.—The Great Western Power Co. has begun preliminary work for the installation of a large hydro-electric plant to be built near here. The dam will be 360 ft. high and will form a storage reservoir for an enormous supply of water for operating the hydro-electric plant. H. H. Sinclair, Shreve Bldg., San Francisco, is Gen. Mgr.

COULEE CITY, WASH.—The City Council has passed an ordinance granting the Pacific Power & Light Co. the right to construct electric light and power lines in this city.

SPOKANE, WASH.—The Washington Water Power Co., Spokane, is planning to expend $4,000,000 in building an electric power plant at Long Lake, 23 miles north of this city. Four turbines, with a maximum capacity of 90,000 HP. will be installed, according to W. A. White, of New York., Chn. of the Finance Committee. The structure will be 300 ft. in length, 170 ft. high and 150 ft. at the bottom.

✚ASHLAND, ORE.—The contract for a heating and ventilating system to be installed at the new high school has been awarded to the PACIFIC BLOWER & HEATING CO., San Francisco, at $8,775.

FAIRMONT, CAL.—The City Council will probably issue $200,000 of bonds for city improvements including the construction of a dam, certain tunnels and hydraulic work, in San Transquito Canyon, with suitable power-house and service lines to substations.

PASADENA, CAL.—The contract for generating unit for the municipal electric light plant will soon be let. The estimated cost is $35,000.

SAN FRANCISCO, CAL.—The Secretary of the Board of City Supervisors will receive bids for lighting streets and outlying district; also for lighting public buildings for the fiscal year commencing July 1.

✚LOS ANGELES, CAL.—The Los Angeles Gas & Electric Corporation has awarded contract to the BAKER IRON WORKS for the construction of a 42-in. duplicate oil gas collection main at Aliso and Center Sts. Contract price is $8,800.

RICHMOND, CAL.—The City Trustees have awarded a contract to the WESTERN STATES GAS & ELECTRIC CO., for 90 arc lights to cost $10,000. The lighting rate will be $6 per month per light.

✚ANAHEIM, CAL.—Bids were received on May 11 for the installation of one compound automatic steam engine, one 150 KWA., 2,200-volts, 3-phase, 60-cycle alternating generator, one exciter, one generator switchboard panel, building foundation and erecting engine and generator. The contract for the engine has been awarded to the PACIFIC COAST MFG. CO., at $7,575. The other bidders were as follows: Smith Booth-Usher Co., $7,488; Ridgway Dynamo Engine Co., $7,680; B. F. Kierulff, Jr., Co., $7,135; Machinery Electrical Co., $7,311; Allis-Chalmers Co., $7,345; J. F. Connel, $6,730; F. C. Roberts & Co., $7,818, and Charles C. Moore & Co., $7,575.

✚LOS ANGELES, CAL.—The contract for installing all electric apparatus, except turbo-generators, in the new power plant of the Southern California Edison Co. at Long Beach has been awarded to J. C. FARRAR & CO., 615 San Fernando Bldg., Los Angeles, at $18,000.

✚The Los Angeles Gas & Electric Corporation has awarded a contract to the REPUBLIC IRON & STEEL CO., 2600 Santa Fe Ave., Los Angeles, to install, at its Aliso St. plant, an oil scrubber, 20 ft. in diameter by 60 ft. high. Contract price, $7,830.

GALT, ONT.—City Light Department has been authorized to expend $25,000 for the extension of the hydro-electric system.

MINNEDOSA, MAN.—Bids will be received until June 15 by H. F. Maulson, Secy. Minnedosa Power Co., for the construction of power station, foundations and penstock, spillway and intake structures for the company's dam at Minnedosa. Specifications may be seen at office of Andrews, Andrews & Co., Portage la Prairie, or at office of the Minnedosa Power Co.

PRINCE RUPERT, B. C.—The Prince Rupert Hydro-electric Co. has acquired control of the Tsimpsean Light & Power Co. and the water rights on the Kheda River and Falls River; both are branches of the Skeena River. The company will develop 1,500 HP. C. H. Cahan, K. C., Montreal, is Pres.

*COMOX, B. C.—Bids will be received until June 26 for furnishing and installing two direct-connected hydro-electric units in the power-house near Comox Harbor, Vancouver Island, B. C., owned by the Canadian Collieries (Dunsmuir) Ltd., Victoria, B. C., where plans and specifications may be obtained, or from H. K. Owens, Consult. Engr., Central Bldg., Seattle, Wash., which call for each unit to develop 3,750 KVA. at switchboard and include complete hydraulic and electric equipment. W. L. Coulson is Gen. Mgr.

BRIDGES.

(✚*Denotes a contract awarded.*)

MARS HILL, ME.—Bids will be received until June 17 for constructing a reinforced-concrete bridge, with a 66-ft. span and 24-ft. roadway. Walter M. Denman, Springfield, Mass., is Consult. Engr.

BRIDGEPORT, CONN.—M. M. McKenna, City Engr., has plans about completed for the Island Brook bridge. The structure will be of reinforced concrete 50 x 60 ft., with a span of 22 ft. High-beam construction will be used.

✚NEW YORK, N. Y.—We are officially advised that the contract for strengthening the end spans of the Williamsburg bridge, over the East River, between the Boroughs of Manhattan and Brooklyn, was awarded on June 1 to the SNARE & TRIEST CO., 143 Liberty St., New York, at (A) $544,540, (B) $15,000; (Total) $559,540; North-Eastern Construction Co., 225 Fifth [illegible] $548,400; $20,000, $568,400; John M. [illegible] Sons, $2[illegible] Beaver St., $571,000, $20,[illegible] Clintic-Marshall Construction [illegible] Bldg., Pittsburg, Pa., $[illegible] $591,737; Oscar Daniels Co. [illegible] $587,700, $12,000, $599,700 [illegible] erty, Inc., 41 Park Row, [illegible] $615,500; Phoenix Construction [illegible] Row, $599,897, $30,000, $6[illegible] Tench Co., Inc., 70 East 45th [illegible] $10,500, $677,450; Pennsylvania [illegible] 71 Broadway, $719,888, $17[illegible] Charles Meads & Co., 165 [illegible] 000, $20,000, $787,000. All [illegible] of New York, unless otherwise [illegible] lump sum bid, (B) unit price [illegible] of caisson work below elevation [illegible] and for the purpose of comparing bids the number of cu. yds. [illegible] 1,000. The approximate [illegible] the work covered by the proposed contract are as follows: Excavation [illegible] yds.; concrete sub-foundation [illegible] caisson and cofferdam work [illegible] minus 6.42 to elevation minus [illegible] cu. yds.; concrete, 4,730 cu. [illegible] dimension stones, 432 cu. yds. [illegible] lar, 1,700 cu. yds.; piles (676 [illegible] lin. ft.; steel reinforcing bars [illegible] bolts, 20,300 lbs.; steel in new [illegible] tural and castings, 3,277,300 lbs. [illegible] to existing trusses, structural [illegible] 2,238,000 lbs.; nickel steel pins [illegible] manganese bronze, 4,500 lbs. [illegible] drilled, connection of new to existing work, 49,400; rivets cut out of existing work, 25,200; rivets driven, connection of [illegible] to existing work, 74,600; cleaning and pointing masonry in existing intermediate [illegible] piers, complete; adjustment and erection of specials, complete; removal of incinerator plant, complete. Kingsley L. Martin is Comr. of Bridges. Noted on April 27.

PORT CHESTER, N. Y.—Plans and specifications have been completed for widening Byram bridge, and work will soon begin. The bridge will be made 14 ft. wide.

WHITESBORO, N. Y.—George H. Graham, Town Superv., and George E. Thomas, Town Clk., have been appointed as a committee to call a special town election for the purpose of voting on the appropriation for a new bridge over the Sauquoit Creek, between Whitesboro and Yorkville. Plans for both concrete and steel structures have been submitted and the cost will be between $6,000 and $8,000.

FRANKLIN, PA.—The County Commissioners are considering the construction of three bridges, one at Bradleytown, another in Plum Township and a third in Cherrytree Township. The structures will be from 40 to 75 ft. long. Emory C. Read is County Engr.

PITTSBURG, PA.—Bids will be received by R. J. Cunningham, County Controller, until noon, June 9, for furnishing lumber and making repairs to floors of various county bridges, and furnishing creosoted wood block floors on several bridges.

PITTSBURG, PA.—Press reports state that plans are being completed by the City Division of Bridges for a span over the Junction R. R. in line with Atherton Ave. Bids on the construction will be advertised for within the next few weeks. The total length of the bridge will be 394 ft. and the estimated cost is $85,000. W. S. Sprague is City Engr.

✚PITTSBURG, PA.—We are officially advised that the contracts for constructing three reinforced-concrete bridges have been awarded as follows: Bridge No. 1, to FOLEY BROS., at $3,212; Bridge No. 12, to the REINFORCED-CONCRETE CONSTRUCTION CO., at $12,293; Bridge No. 13, to R. S. DICKSON, at $11,982. R. J. Cunningham is County Controller. Noted on May 18.

SUNBURY, PA.—Bids will be received by the Commissioners of Northumberland County, Pa., until noon, June 16, for the construction of a bridge at Spurzheim St., in the Borough of Shamokin. E. W. Young is Ch. Clk., Bd. Comrs.

WATERTOWN, PA.—We are officially advised that the proposition to raise by bonds $130,000 for building a bridge over Black River at Jackson St., was defeated at a special election held on May 22.

WILMINGTON, DEL.—Bids will be received by James Wilson, County Engr., until noon, June 13, for the erection of a reinforced-concrete arch bridge across White Clay Creek at Roseville Mill. The contract consists of removing the old bridge, providing a temporary bridge across the stream safe for vehicular travel, the erection of a new bridge, a small bridge over the race, the construction of all retaining walls and filling in and resurfacing the entire roadway with 8-in. macadam, according to the specifications of the New Castle Levy Court, from a point in the improved road on the north side of the stream, to a point on the same road on the south side, as indicated in the plans.

BALTIMORE, MD.—Bids will be received by the Board of Awards until 11 a. m., June 14, for constructing a masonry arch and retaining walls along the East Boundary Road of Wyman Park. Wm. S. Manning is Gen. Supt., Bd. Park Comrs.

ROCKYMOUNT, VA.—Bids will be received by J. H. Ferguson, W. D. Haynes and C. M. Turner, the commission appointed by Franklin County Supervisors, until June 24 for the construction of a bridge over Pigg River at Haynes' Ford, and a bridge over Chestnut Creek, in Franklin County. The bridges are to be of iron.

TAMPA, FLA.—Surveys are being made for the bridge to be erected at Lafayette St. Bonds for $190,000 have been issued to finance the project, but plans have not as yet been selected. Fred Warren is Engr.

ORLANDO, FLA.—Bids will be received by the Board of Orange County Commissioners until July 3, for constructing a steel swing bridge across the west branch of St. John's River, and a wooden swing bridge over the eastern branch of St. John's River at Ge-

neva Fer... according to plans and specifications on file with B. M. Robinson, Clk. of Bd.

JACKSON, MISS.—We are officially advised that the Vincennes Bridge Co., Vincennes, Ind., submitted the lowest bid on May 27 for bridge construction, as follows: Two reinforced-concrete arch bridges, $19,-900; one steel girder bridge, $13,500. John Pierce is City Engr. Noted on May 18.

✚LOUISVILLE, KY.—We are officially advised that the Louisville & Jeffersonville Bridge Co. has awarded to the RAYMOND CONCRETE PILE CO., of New York and Chicago, the contract for placing about 1,000 Raymond concrete piles in the foundations of a viaduct to be built at Louisville, connecting the Louisville & Nashville R. R. and the Chesapeake & Ohio R. R. with the tracks of the Louisville & Jeffersonville Bridge Co.

BROOKVILLE, OHIO. — Bids will be received by the Board of County Commissioners until 10 a. m., June 22, for building a superstructure on bridge No. 239, Clay Township, over Wolf Creek.

CINCINNATI, OHIO.—Bids will be received by the Board of Commissioners of Hamilton County until noon, June 16, for constructing a bridge on Dunlap Creek Road, in Colerain Township. Fred Dreihs is Clk.

CLEVELAND, OHIO.—Bids will be received by the Board of Commissioners of Cuyahoga County until 11 a. m., June 28, for the construction of bridge work, per report No. 2799, culvert extension, Mayfield Road, Mayfield Township, in accordance with the form of contract and specifications to be furnished by Frank R. Lander, County Surv.

✚DAYTON, OHIO.—The contract for erecting the new Wolf Creek bridge near Edgewater Ave., has been awarded by the Board of Control to AL. S. FOX at $11,886.

NORWALK, OHIO.—Bids will be received by the Board of Commissioners of Huron County until 10.30 a. m., June 12, for removing the South abutment and wing walls of the Trimner bridge in New Haven Township, and rebuilding the same in a new location.

TOLEDO, OHIO. — Bids will be received soon for a "Rall" type bascule bridge, 225 ft. clear span, over the Maumee River at Cherry St., cost about $150,000. The plans have been prepared by the Strobel Steel Construction Co., Monadnock Block, Chicago. Ralph Modjeska is Consult. Engr.

GRAND RAPIDS, MICH.—Daniel B. Luten has been employed by the city to prepare plans and supervise the construction of the proposed West Leonard St. bridge. The structure will be of reinforced-concrete.

JERSEYVILLE, ILL.—Bids will be received at the Court House, Jerseyville, until 3 p. m., June 10, for the construction of a reinforced concrete superstructure on old stone abutments, in Rosedale Township, Jersey County. William Brown is Town Clk. of Rosedale.

MANHATTAN, ILL.—Bids will be received by John Eberhart, Town Clk., until 2 p. m., June 9, for the construction of five reinforced concrete bridges in Manhattan Township, Will county, as follows: Pfundstein bridge, requiring 76 cu. yds. concrete and 9,332 lbs. steel; Walsh, Jr., 36.5 cu. yds. concrete and 767 lbs. steel; Walsh, 129.3 cu. yds. concrete and 15,323 lbs. steel; Bellward, 88.8 cu. yds. concrete and 6,574 lbs. steel; Baker 60 cu. yds. concrete and 5,072 lbs. steel. Plans and specifications are on file at the office of the Highway Commission and the Town Clerk.

SOUTH CHICAGO, ILL.—We are officially advised that plans have been prepared by the Strauss Bascule Bridge Co., Fort Dearborn Bldg., Chicago, for erecting a 235-ft. single leaf, double track bridge over the Calument River, for the Baltimore & Ohio R. R. Co. J. E. Greiner is Consult. Engr., and E. F. L. Stuart, Ch. Engr. of R. R. Co.

CLINTON, IOWA.—Bids will be received by F. W. Leedham, Co. Audr. of Clinton County, until 2 p. m., June 8, for constructing three steel bridges, requiring the following work: 611 cu. yds. excavation; 404 cu. yds. concrete in abutments, one 50-ft., one 40-ft., and one 30-ft. steel pony superstructure.

*IOWA FALLS, IOWA.—Bids will be received until June 22 for constructing a 7-span steel bridge, 30 ft. wide, with concrete floor and steel or concrete foundation, over Iowa River at Iowa Falls. The cost is estimated at $15,000. J. H. Quackenbush, Webster City., Iowa, is Design. City Engr., and E. L. Marriage, County Audr.

✚PURCELL, OKLA.—The contract for constructing highway bridges over the Canadian River, consisting of 18 150-ft. double intersection Warren riveted spans, with steel and timber trestle approaches, total length 3,237 ft. has been awarded to the CENTRAL STATES BRIDGE CO., Allen & Gorcia, McCormick Bldg., Chicago, are Engrs.

PAYETTE, IDAHO.—Bids will soon be asked for the construction of a steel bridge 640 ft. long to cost about $30,000. C. P. Lattig is Secy. Bridge Comn.

LOS ANGELES, CAL. — Bids will be received by the Board Supervisors until 2 p. m., June 12, for furnishing labor and material necessary for construction of pile trestle bridge across Dalton Wash on Wabash Ave., in Glendora Road District. H. J. Lelande is County Clk.

SAN DIEGO, CAL.—Plans are being prepared for a 4-span reinforced-concrete bridge to cross East St. at 17th St. The bridge will have a roadway 35 ft. wide. The estimated cost is $5,000.

✚SACRAMENTO, CAL.—The DUNCAN-SON-HARRELSON CO., Chronicle Bldg., San Francisco, has been awarded a contract for the iron work for a railway bridge to be constructed for the Northern Electric Ry. Co., at the foot of M St., at $65,765.

QUEBEC, QUE.—Plans have been prepared by the Strauss Bascule Bridge Co., Fort Dearborn Bldg., Chicago, Ill., for a 150-ft. single leaf highway bascule bridge over the St. Charles River, W. D. Baillairge is City Engr.

TORONTO, ONT.—Bids will be received by F. S. Spence, Chn. Bd. of Control, until noon, June 20, for the construction of a concrete floor slab on a steel span crossing the tracks of the Canadian Pacific R. R., at Weston Road, in the City of Toronto, and a reinforced-concrete bent under the north end of the said steel span.

BUILDINGS.

*(*Denotes that this work is advertised in Engineering News.)*

ELLSWORTH, ME.—Bids will be received until 3 p. m., July 10, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the extension, etc. (including plumbing, gas piping, heating apparatus, and electric conduits and wiring system), of the U. S. post-office and customhouse at Ellsworth, Me. Drawings and specification may be obtained from the custodian at Ellsworth, Me., or at the discretion of the Superv. Arch.

CONCORD, N. H.—Bids for erecting two buildings on the N. H. State Hospital grounds will be received until June 12, at office of the Hospital, Concord. Plans and specifications may be seen at the office of Kendall, Taylor & Co., 93 Federal St., Boston, Mass. John A. Spalding is Chn. Building Committee.

✚CAMBRIDGE, MASS.—The contract for the Episcopal Theological Library building has been awarded to the CENTRAL BUILDING CO., Worcester, Mass. To be 63 ft. × 69 ft., of Roxbury stone. Shepley, Rutan & Coolidge, Boston, are Archs.

✚BOSTON, MASS.—The contract for the mercantile building to be built for John D. Crosby on Avon St. has been awarded to H. C. WHITNEY, 52 Temple Pl., Boston. Saml. D. Kelley, 209 Washington St., is the Arch.

✚The contract for building the Lyman School was awarded May 20 to WHITON & HAYNES, at $112,000. Other bids were: McGahey & O'Connor, $114,135; Wm. Crane, $117,936; Woodbury & Leighton, $119,106; J. E. Locatelli & Co., $125,795; A. Varnerin Co., $126,883; J. W. Duff, $129,892; Kennedy & Peterson, $132,000; Connors Bros., $133,000.

✚On May 24 the contract for building the Lewis School was awarded to A. VARNERIN CO., at $108,173. Other bids were: William Crane, $109,287; McGahey & O'Connor, $111,-871; J. E. Locatelli & Co., $111,880; J. W. Duff, $116,534; Woodbury & Leighton, $118,-959; John M. Roache, $127,865. Charles Logue is Chn Schoolhouse Comn.

A 20 apartment block to cost $100,000 is to be built in the Brighton District on Linden St., to be 130 × 130 × 96 ft., and four stories high. Gay & Proctor, Boston, are Archs.

✚BOSTON, MASS. — The awards for two state armories to cost about $60,000 each have been made to J. J. PRENDIVILLE for the Natick Armory, and to J. J. KEATING for the Milford Armory. Brig. Gen. Wm. H. Brigham is Adjutant General.

FITCHBURG, MASS.—An historical building is to be erected for the Fitchburg Historical Society, to be 65 × 65 × 36 ft. H. M. Francis & Sons are Archs.

MILFORD, MASS.—Bids will be received until 3 p. m., July 12, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction, complete (including plumbing, gaspiping, heating apparatus, electric conduits and wiring, and lighting fixtures), of the U. S. post-office at Milford, Mass. Drawings and specifications may be obtained from the Custodian of site at Milford, Mass., or at the discretion of the Superv. Arch.

SPRINGFIELD, MASS.—Two buildings are to be erected for the Park Department, both of brick, 48 × 75 ft. and 55 × 100 ft. Kirkham & Parlett are Archs.

GREENFIELD, MASS.—The First Baptist Church Society has voted to sell its present property on Main St. and purchase the property at Federal and Leonard Sts., where they will erect a new edifice. The following building committee has been appointed: L. A. Cook, C. F. Browne, J. A. Clarke, Rev. L. J. Brace and C. A. Jones.

✚HOLYOKE, MASS.—Contracts for the erection of a new storehouse for J. Russell & Co. have been awarded DANIEL O'CONNELL'S SONS for the mason and carpenter work, and G. HAARMANN & SON for the steel work. The building will be 50 × 103 ft., two stories high and of mill construction. William B. Reid, Holyoke, is the Arch.

LEE, MASS.—The plans of Henry S. Moul, of Hudson, N. Y., have been selected for the fire house. The building will be two stories high, with a 65-ft. tower of Lee marble and tile roof. Estimates will be received soon.

EAST PROVIDENCE, R. I.—Appropriations amounting to $80,000 for two school houses were made at a special town meeting held in East Providence recently. The buildings will be erected in Riverside and in the north end of the town and are expected to be 8-room brick structures.

✚PROVIDENCE, R. I.—The contract for the R. I. Medical Society Club House was awarded to WM. WILLIAMS. Clarke, Howe & Homer are Archs.

MANCHESTER, CONN.—W. R. Tinker has employed I. A. Allen, Jr., Hartford, Conn., to prepare plans for a business block at Main and Birch Sts., 80 × 90 ft. The building will be three stories high, of brick and brown stone trimmings. Mr. Tinker soon will be ready to receive bids for the work.

✚WATERBURY, CONN.—Contracts for the erection of a four-story; store and apartment block 40 × 80 ft. at 713 East Main St., for Thomas H. Hayes have been awarded as follows, Mason work D. E. CRONIN; carpenter work, GEORGE R. BLODGETT; cut stone, THOMAS F. JACKSON, all of Waterbury. Joseph A. Jackson, of New York City, is the Arch.

The Masonic Building Association have purchased a tract of land on West Main St. from the Estate of Elisha Leavenworth and will erect a large building 26 × 167 ft. with an L in the rear 90 × 69 ft. Nelson J. Welton and Robert S. Walker, are members of the building committee.

BUFFALO, N. Y.—Revised plans for the Hutchinson High School have been completed by Robt. Wallace, 19 Builders' Exchange, and bids will soon be received by Francis G. Ward, Comr. of Pub. Wks. The estimated cost is $500,000.

S. S. Beman, Chicago, Ill., is preparing plans for a church edifice to be erected by the First Church of Christ (Scientist) at North St. and Elmwood Ave. Estimated cost, $70,000.

Bethune, Bethune & Fuchs, 215 Franklin St., are preparing plans for a 2-story store and stable building, 90 × 90 ft., brick and steel, to be erected by the Crystal Ice Co., at Genesee and Spring Sts.

NEW YORK, N. Y.—Plans have been prepared by George Fred. Pelham, 507 Fifth Ave., for a 6-story tenement building, 100 × 85.11 ft., for the Emkaar Realty Co., 42 West 114th St., to be constructed on the north side of 142d St., 100 ft. west of Broadway. The estimated cost is $125,000.

✚Plans are being prepared by Wallis & Goodwille, 346 Fourth Ave., for the construction of a 12-story loft building to be erected at the northeast corner of Madison Ave. and 32d St., by the Empire Holding Co. The BACKER CONST. CO. holds the general contract. The cost is about $450,000.

Plans have been completed by Adolph Mertin, 34 West 28th St., for the construction of a 6-story tenement building on the northeast corner of Haven Ave. and 169th St. The Hanover Building Co. 150 Nassau St., is owner. The cost is $125,000.

Otto Strack, 214 East 23d St., will build nine additional stories to the loft building at 214-220 East 23d St. The cost will be about $100,000.

✚MULCAHY & GIBSON, 381 4th Ave., have been awarded the structural steel work for the 12-story loft building which Charles Kaye, 1133 Broadway, will erect at the northwest corner of 23d St. and Lexington Ave. Buchman & Fox, 11 East 59th St., are the Archs. The cost is about $225,000.

Plans have been completed by George Provot, 105 West 42d St., for the proposed nurses' home at West 33d St., between Ninth and Tenth Aves., for the French Hospital, 450 West 34th St.

✚Plans have been completed by Pickering & Walker, 103 Park Ave., for the construction of a 12-story fireproof, brick, stone and terra cotta apartment building to be erected on the northeast corner of 82d St. and Park Ave. The 969 Park Ave. Co. is the owner. The general contract is held by W. J. TAYLOR CO., 5 East 42d St.

Plans will be prepared by John H. Duncan, 208 Fifth Ave., for the construction of an 8-story fireproof office building to be erected on the corner of Fifth Ave. and 52d St. Robert E. Dowling, 165 Broadway, is owner.

Plans have been prepared by Gross & Kleinberger, Bible House, for the construction of a 6-story tenement building to be erected by the Saranac Construction Co., 443 West 151st St., on the south side of 147th St., 100 ft. east of Amsterdam Ave. The estimated cost is $120,000.

✚The general contract has been awarded by Gustav Shock, 518 West 57th St., to the TURNER CONST. CO., 11 Broadway, to erect the 8-story loft building, 60.9 × 99.6 ft., at No. 518 West 57th St. The cost is about $100,000. J. Broome 123 Liberty St., is Arch.

✚CHAS. T. WILLS, Inc., 286 Fifth Ave., has received the general contract for the construction of the office building, 94.10 × 74.4 ft., for Geo. F. Baker, Jr., 258 Madison Ave., at No. 250 Madison Ave., from plans by Walker & Gillette, 128 East 37th St. Estimated cost is $90,000.

NEW YORK, N. Y.—Bids will be received by the Department of Education until June 19 for alterations, repairs, etc., at Public Schools 6, 12, 13, 14, 16, 17, 19, 21 and 41, Borough of the Bronx; for alterations and repairs to heating and ventilating apparatus in Public Schools 1, 2, 4, 7, 12, 13, 20, 21, 22, 31, 34, 35, 42, 65, 92, 106, 110, 137, 147, 160, 161 and 174, Borough of Manhattan; for alterations and repairs to heating and ventilating apparatus in Public Schools 5, 30, 37, 46, 57, 81, 83, 109, 119, 169, 171 and Wadleigh High School; for the general construction, etc., of new Public School 61, on the southerly side of East 12th St., about 82 ft. east of Avenue B.; for installing temperature regulation in additions to and alterations in Public School 7, on the southerly side of Van Alst Ave., about 106 ft. east of Flushing Ave., Astoria, Boro. Queens; for fire protection alterations at Public Schools 8, 11, 20, 35, 44, 46 and 66. C. B. J. Snyder is Supt. of Schools.

*THIELLS, N. Y.—Bids will be received until 10 a. m., July 6, by Franklin B. Kirkbridge, Secy. Bd. of Mgrs., for the construction of a superintendent's residence, farm barn, and ice house at Letchworth Village, Thiells, N. Y. Plans may be seen at office of Secretary.

*SONYEA, N. Y.—Bids will be received until July 11 by Percy L. Lang, Pres. of the Bd. of Mgrs., Craig Colony, Sonyea, N. Y., for construction, including heating, plumbing and electric work for a dormitory building in the West Group at the Craig Colony for Epileptics, Sonyea, N. Y. Plans may be obtained from Franklin B. Ware, State Arch., Albany, N. Y.

*FORT TERRY, N. Y.—Bids will be received by Capt. F. T. Arnold, Constr. Q. M., U. S. A., New London, Conn., until June 27 for the construction complete of a four-set firemen's quarters.

✚NEWARK, N. J.—The contract has been awarded to the GEORGE A. FULLER CO., 115 Broadway, to construct the department store at Market, Halsey and Washington Sts. Bamberger & Co. are the owners. The cost is approximately $2,000,000. Jarvis Hunt, Chicago, Ill., was Arch.

GLOUCESTER CITY, N. J.—It is reported that plans for the new immigrant station at Gloucester will soon be completed, and that the contract will be awarded within the next five weeks. The pier will be 400 ft. long and 250 ft. wide. A large building, with hospital facilities, will be erected on this. The detention house will be built on shore, at the north side of the administration building. It will be fireproof, and will have accommodations for 400 persons.

PHILADELPHIA, PA. — Estimates have been asked on plans for a 3 and 4-story machinery and engineering building, 56 × 40 ft., for State College, near Bellefonte. The cost will be about $50,000.

PHILADELPHIA, PA.—Bids will be received until June 8 by the Board of Public Education, City Hall, Philadelphia, for the erection of the district high school buildings (including plumbing, heating, etc.) on the site situated between 47th and 48th Sts. and Walnut and Locust Sts.

✚BALTIMORE, MD.—The contract for the concrete pile foundations of the apartment house to be erected for Herman Scherr at Callow Ave. and Park Front Terrace, Baltimore, has been awarded to the RAYMOND CONCRETE PILE CO., of New York and Chicago, Ill. H. T. Tinley is Arch.

St. Elizabeth's Catholic congregation awarded the contract to MONMONIER & SORRELL, 1711 McCulloh St., Baltimore, to erect an edifice at Baltimore St. and Lakewood Ave.; cost, $80,000 to $85,000. Plans were prepared by Robert C. Ulrich, 72 Gunther Bldg., Baltimore.

BALTIMORE, MD.—John F. Carter, Ashburton Ave., has had plans prepared by Jacob F. Gerwig, 210 East Lexington St., Baltimore, for 29 dwellings on Allamont Ave and ten on Chesapeake Ave. semi-detached, iron spot brick, marble trimmings, front porch and rear sun parlor, to cost $60,000.

BALTIMORE, MD.—Mrs. Mary Mylander will build 17 two-story brick dwellings on south side of Saratoga St., between Pulaski and Payson Sts., about 15 × 50 ft. each, tin roofs, galvanized iron cornices, hot air heat, cost $40,000. J. F. Gerwog is Arch.

*WASHINGTON, D. C.—Bids will be received until 2 p. m., June 20 by Carmi A. Thompson, Secy. of the Interior, Washington D. C., for the construction of a home for nurses at the Freedman's Hospital.

*CORDELE, GA.—Bids will be received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until July 15 for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring and lighting fixtures) of the U. S. post office at Cordele, Ga. Drawings and specifications may be obtained from the custodian of site at Cordele, Ga., or at the discretion of the Superv. Arch.

MONTGOMERY, ALA.—Bids will be received until June 8 by the Capitol Building Extension Commission for the construction of the north wing of the capitol. Plans were prepared by Frank Lockwood, Montgomery, Ala.

MAUMEE, OHIO.—Bids will be received by the Village Council until June 26 for erecting a village hall. Sidney E. Aftel, Toledo, is Arch.

TOLEDO, OHIO.—Bids will be received by J. R. Cowell, Dir. Pub. Serv, until June 20, for furnishing material and erecting a market house. E. O. Fallis, Nasby Bldg., Toledo, is Arch.

✚GREENFIELD, IND.—PRICE & SON, Shelbyville, Ind., have been awarded a contract for the erection of a new school building in Hancock County.

LAKE, IND.—Bids will be received until June 12, by S. C. Ferguson of Lake School Trus., for erecting a 2-story and basement 8-room school. Brubaker, Stern & Boyle, 20 Aetna Bldg., Indianapolis, are Archs.

NOBLESVILLE, IND.—Bonds have been sold for the erection of a city hall and library building. Bids will be asked for the erection of the city hall soon. John Bauchert is Treas.

INDIANAPOLIS, IND.—John E. Cleland, Business Dir. School Bd., has purchased a site on Volney St., on which to erect a 8-room school building. Estimated cost, $70,-000.

✚INDIANAPOLIS, IND.—Frank H. Wheeler has awarded a contract to LYNN B. MILLIKAN, Indianapolis, for the erection and completion of a suburban residence at $80,-000. The exterior will be of brick and concrete, the wood work mahogany. This is estimated to cost $100,000.

Henry W. Lawrence, Pres. and Gen. Mgr. of Claypool Hotel Co., has ordered plans on which bids will be received for the erection of two additional stories on the present structure. The cost of the addition is estimated at $300,000. William Earl Russ, Dayton, Ohio, is Arch.

MUNCIE, IND.—The Ball Bros. have contributed $100,000 for the erection of a Y. M. C. A. building in this city. Plans are now being considered by the Trustees of the Ass'n.

TERRE HAUTE, IND.—The Trustees of the New Evangelical Church are considering plans on which to receive bids for the erection of a modern brick church on Kent Ave.

The Trustees of Union Chapel of Central Terre Haute will soon ask for bids for the erection of the proposed church. John Pegg is Chn.

BATTLE CREEK, MICH.—Joseph C. Llewellyn, 38 South Dearborn St., Chicago, Ill., is receiving bids on a 10-story and basement hotel for the Post Tavern Hotel Co., of Battle Creek, Mich. Cost, $150,000.

DETROIT, MICH.—Van Leyen & Schilling, 1117 Union Trust Bldg., Detroit, have prepared plans for a 13-story hotel and convention hall building for a syndicate of Detroit men. Address Chas. R. Loucks, 37 Alexander Ave., Detroit. The building will

be erected on the Bagley site at Washington Boulevard, Bagely and Clifford Sts. Plans will be ready for figures soon. Cost, $2,000,-000.

LANSING, MICH.—Bids will be received by the Board of Supervisors, until June 24, for wrecking, rebuilding and remodeling the Ingliam County Poor Farm and erecting a 2-story and basement brick and concrete addition to building. White & Butterworth, 312 City Bank Bldg., Lansing, are Archs.

PORT HURON, MICH.—G. L. Harvey, Port Huron, will soon receive bids for a 3-story and basement temple, 50 ? 125 ft., for the B. P. O. E., of Port Huron, Mich. Cost, $40,-000.

✚CHICAGO, ILL.—The general contract for the block of stores at Michigan Ave. and 43d St. has been awarded to WALTHER & MAYNE, 118 La Salle St., Chicago, and plumbing to SAMUEL KERSTEN, 219 Van Buren. D. H. Burnham & Co., Railway Exchange Bldg., is Arch.

The general contract for the $100,000 lodging house to be erected by John C. and George E. Spy has been awarded to the GEORGE W. SWIFT CO., Security Bldg., Chicago. A. S. Alschuler, 28 East Jackson Boulevard, is Arch.

Plans are being prepared by Marshall & Fox, 38 South Dearborn St., for an 8-story apartment building 84 × 100 ft., to be erected on the lot recently acquired by B. F. Marshall on Walton Pl., east of Lincoln Park Blvd.

Plans will be ready for figures about June 7 for a 5-story theater building to be erected on 43d St., near Indiana Ave. Hall & Westerlind, 179 West Washington St., are the Arch.

The Lutheran Synod has appropriated $100,-000 for the erection of new building for the Teachers Seminary near Oak Park. Address Theodore Lamprecht, 160 Adams St.

Plans are being prepared for a 3-story apartment building, to be built on the corner of Humboldt and Kimball Aves. J. K. Neebe, 2101 West Chicago Ave., is Arch.

The American Radiator Co. has purchased a site on the east side of Hawthorne St., opposite Montgomery Ward & Co., and will erect a large warehouse at once.

CHICAGO, ILL.—Dr. Julius H. Hess and Samuel Kunstadler have purchased the property at the corner of 40th Ave. and Lexington St., and will erect a store and office building.

Mr. Celia F. Marshall, Benjamin Marshall and Charles Fox will erect an 8-story, 16-apartment, fireproof building at a cost of $330,000 on the property on Walton Pl., recently acquired by Mrs. Marshall. Construction is to begin in about three months.

GREEN BAY, WIS.—Bids will be received by Foeller & Schober, Green Bay, Wis., until June 15, for constructing an edifice for St. John's Congregation. The Rev. L. A. Richlin is Rector.

MILWAUKEE, WIS.—The Board of School Directors are preparing plans and specifications for the proposed school of trades to be erected on the block bounded by Greenbush, Virginia, Hanover Sts. and College Pl., at a cost of $190,000. Plans will not be ready for bids before Aug. 1. Frank M. Harbach is Secy.

The Order of Sisters of Charity of the Holy Virgin are raising a fund of $100,000 for the purpose of constructing a Catholic women's college, to be affiliated with Marquette University. Rev. J. S. McCabe, S. J., is Pres. of the University.

A. H. Wood, 602 Caswell Blk., is awarding contracts for the construction of a $75,000 apartment house at Grand Ave. and 22d St. for the Milwaukee Realty & Building Co. It will be 130 × 80 ft. in size, three stories high and of brick and stone construction.

The German-English Academy is considering the erection of a $75,000 addition, to accommodate the high school and teachers' seminary departments. The building will face Milwaukee St., and will be on lots donated for the purpose by Mrs. Fred Vogel, Jr. It is probable that additional real estate will have to be acquired.

CEDAR RAPIDS, IOWA.—Bids will be received by A. E. Mulford, Chn. Bldg. Com., Knights of Pythias, Star of the West No. 1 Lodge, until June 8 for erecting a club and lodge building.

CEDAR RAPIDS, IOWA.—The Methodist Episcopal Congregation will erect a church building at a cost of $150,000. L. H. Sullivan, Chicago, Ill., is revising plans.

GARRISON, IOWA.—Bids will be received by George T. Stauffey, Secy. School Bd. until June 23 for constructing a brick school. R. R. Mayberry, Cedar Rapids, Iowa, is Arch.

✚MINNEAPOLIS, MINN.—The contract has been awarded to HAY & ELZY for the construction of the theatre building on Hennepin Ave., between Sixth and Seventh Sts., for Finkelstein & Ruben, St. Paul, Minn. The contract for steel work was awarded to the MINNEAPOLIS STEEL & MACHINERY CO.

ST. PAUL, MINN.—The contract for the general construction of the pressed brick and cut stone, fireproof dormitory to be built at St. Thomas College, St. Paul, has been awarded to W. H. GRADY & CO., 367 Prior Ave., St. Paul, on a bid of $104,500. E. L. Masqueray, 308 Oppenheim Bldg., is Arch.

GREAT FALLS, MONT.—Bids will be received by the Ursuline Sisters until June 15 for constructing a girls' academy building. The cost is about $150,000.

MEXICO, MO.—Bids will be received until June 12 at the office of John B. Graham, Co. Clk., for construction of an infirmary building for Audrian County. Richard H. Phillips is Consult. Engr. and Arch.

HELENA, ARK.—It has been announced that bids for the erection of the proposed $70,000 high school building will be received at an early date. Architects have been preparing the plans and it is said that they are about ready to be submitted.

CONE, TEX.—The taxpayers of this county will vote on the proposition to issue $43,000 to erect a new courthouse and jail.

✚SAN ANTONIO, TEX.—The contract has been awarded to the GORDON-JONES CO. by H. J. Benson for the erection of a $50,-000 bath house.

LONGVIEW, TEX.—J. J. Hudson and associates will erect a hotel here to cost from $50,000 to $75,000. The building will be of brick construction.

TAYLOR, TEX.—It is reported that the shops of the International & Great Northern R. R., at this place, will be enlarged. Considerable new machinery will be installed. The general offices of the company are at Palestine, Tex.

SHAFTER LAKE, TEX.—Bonds were recently issued for erecting a new courthouse at this place. N. P. Ross is County Judge.

CORPUS CHRISTI, TEX.—It is reported that the Corpus Beach Hotel Co. will soon let the contract for the erection of a hotel building here to cost about $100,000 to the Brooks-Gordon Construction Co., San Antonio. The plans for the building are being prepared by Atlee B. Ayers, San Antonio.

SULPHUR SPRINGS, COLO.—Bids were received as follows on May 31 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a U. S. post-office at Sulphur Springs, Colo.: (a) limestone, (b) sandstone: John Barden, Fort Worth, Tex., (a) $45,000; Fell & Ainsworth, Waco, Tex., (a) $46,750, (b) $47,218; Newport Contracting & Engineering Co., Newport News, Va., (a) $47,976, (b) $48,976; Thames & Weber, Beaumont, Tex., (a) $47,204, (b) $47,204; M. B. Whitlock & Co., Denton, Tex., (a) $48,346.

ALHAMBRA, CAL.—Bids will be received by the Alhambra City School District until June 10 for constructing a 2-story addition to the brick school at Sixth St. and San Bernardino Rd. Frederick Noonan, 424 South Broadway, Los Angeles, Cal., is Arch.

ANAHEIM, CAL.—The Anaheim Union High School District, will receive bids until June 10 for the erection of a group of buildings at Center and Citron Sts.

✚LOS ANGELES, CAL.—CARL LEONARDT, H. W. Hellman Bldg., was awarded contract for constructing the reinforced concrete foundation for the new Chester building at Fifth and Spring Sts., from plans by Parkinson & Bergstrom, Security Bldg., at $46,000.

OAKLAND, CAL.—Bids were received for constructing city hall as follows. Other bids noted on May 2: Plumbing—J. Looney, $37,-627; W. S. Snook, $45,734 and $38,612; John G. Sutton, $43,600; J. E. O'Mara, $51,445; J. B. Cruz, $82,000. Interior marble and tile—Joseph Musto Sons-Keenan Co., $104,-993, $91,599, $84,449, $87,440, $94,487, less $2,000; Columbia Marble Co., $107,200, $93,-650; Vermont Marble Co., 114,000, $87,634, $94,750, $96,329, $102,240, and $110,300. Rough carpentry—Oliver Duval, $34,100; C. A. Littlefield, $39,979; A. T. Spence, $38,800. Cork floors—David E. Kennedy, New York, $3,-293. Cabinet work and setting—L. & E. Emanuel, $43,350; Oliver Duval, $55,450; A. T. Spence, $59,860; C. A. Littlefield, $65,339. Glass and glazing—California Plate & Window Glass Co., $12,320; W. P. Fuller Co., $12,392; L. N. Cobbeldick, $15,950. Elevators—Otis Elevator Co., $71,695. Heating and ventilating—J. E. O'Mara, $46,777; John G. Sutton, $47,000; Pacific Fire Extinguisher Co., $47,995; Robert Dalziel, $48,267; E. B. Lennig, $51,000; H. W. Moffitt Co., $51,235 and $43,255; Mangrum & Otter, $50,630 and $48,630; Simmons Engineering Co., $76,790; Gilley Schmidt, $76,800. Miscellaneous and ornamental iron and bronze—California Artistic Metal & Wire Co., $97,700; L. Schreiber & Son, $112,575; Rudgear Merle Co., $124,700. Metal doors—Forderer Cornice Co., $2,970; Rulofson Metal Window Works, $4,-338. Metal Furring and lathing—Clinton Fireproofing Co., $31,500; Roebling Construction Co., $31,600; C. O. Munson Co., $31,900; Smyth Bros., $36,750; McNulty Bros., $40,-000; oJhn D. McLeer, $47,500. Plastering and imitation stone work—C. C. Morehouse, $40,750; James F. Smith, $59,593; Smyth Bros., $57,500; George Dixon, $65,000; W. Makin, $79,820; McNulty Bros., $108,500.

QUINCY, CAL.—According to press reports, the Western Pacific Ry. Co. has provided for the construction of a large summer hotel at Blairsden Station at the lower end of the Mahawk Valley between Quincy and Portola. It will be a large structure, with 100 guest rooms.

SAN DIEGO, CAL.—Louis J. Wilde, 248 D St., has closed contracts for the construction of several buildings to b erected in San Diego at a cost of $500,000. The principal structure of the group will be a 10-story, Class A, office building, to be erected on D St. of concrete construction; cost, about $210,000. A second structure will be a Class A apartment house, six stories high, to be erected at Ninth and D Sts., to be 100 × 100 ft., concrete construction; cost, $100,000. The third building to be erectd, at State and H Sts., four stories high, 50 × 100 ft., brick and concrete, iron and steel, cement floors and composition roof, one passenger and two freight elevators; cost, $50,000. Another building, to be erected at Coronado Beach, to be a 3-story concrete apartment house, 50 × 100 ft.; cost $40,000. Also a 5-story fireproof hotel, to be erected on Sixth St.; cost, $100,000.

VENTURA, CAL.—The following bids were received by the Board of Education for the construction of a high school building, from plans by Norman F. Marsh, Broadway Central Bldg., Los Angeles: Guy S. Bliss, Pasadena, $54,000; the Ventura Mill & Lumber Co., Ventura, $54,000; Crookshank & Somers, $57,987; G. W. Bell, $58,000; S. W. Upton, $58,270; E. Lund, $60,873; Southwestern Construction Co., $61,940; F. O. Engstrom Co., $67,938.

MONTREAL, QUE.—Plans have been approved by Building Inspector Chaussi for the Carlton Hotel, proposed to be erected at the corner of Sherbrooke and Drummond Sts., at a cost of $1,250,000. Warren & Whetmore, 3 East 33d St., New York, N. Y., are the Archs.

BRAWNSVILLE, ONT.—Bids will be received until noon June 10 for the construction of the proposed public school building at Brawnsville. Plans at the office of Taylor & Taylor, Archs., Hope Chambers, Brantford, Ont.

GUELPH, ONT.—Bids will be received by T. J. Moore, City Clk., until June 9, for the construction of a jail and jailer's dwelling. Plan at the office of W. A. Mahoney, Arch., Telephone Bldg., Guelph.

✚VANCOUVER, B. B.—A. McDERMOTT & CO., Winnipeg, Man., have secured the contract for the new Dominion Government examining customs warehouse at the rear of the Winch building, at a price of $350,000.

WATER SUPPLY—IRRIGATION.

(*✚Denotes a contract awarded.*)

✚MARS HILL, ME.—The contract, we are officially advised, has been awarded to CHARLES N. TAYLOR, Contracting Engr., Wellesley, Mass., to design and construct a water system here for the Mars Hill & Blaine Water Co. This work will necessitate the use of about five miles of 8-in. c.-i. water pipe, two miles of 6-in. pipe, 30 hydrants, and building a concrete dam. No material for this work has yet been purchased.

✚PRESQUE ISLE, ME.—We are officially advised that the village has voted to enter into a 20-year contract, at $2,500 per year and taxes, with the Presque Isle Water Co. for the use of 44 hydrants for fire protection and water for other municipal purposes. The water system which has been built for several years is to be enlarged by laying about five miles of 6-in., 8-in., 12-in. and 14-inch. c.-i. water pipe, building a concrete core dam, and a 1,000,000-gallon reservoir. CHARLES N. TAYLOR, Contracting Engr., Wellesley, Mass., has the contract for doing the engineering and construction necessary for above improvements. The STANDARD CAST IRON PIPE & FOUNDRY CO., Bristol, Pa., has been awarded the contract for furnishing the pipe. The CHAPMAN VALVE CO. will furnish the valves, and R. D. WOOD & CO., Philadelphia, Pa., the hydrants. FREEMAN & CO., Presque Isle, have the contract for furnishing the cement, and the BUILDERS' IRON FOUNDRY the special castings.

LEWISTON, ME.—The city is considering extending the water-works system. John Jones is City Engr.

FORT ETHAN ALLEN, VT.—Bids will be received until 10 a. m., June 21, by Capt. R. J. Fleming for constructing an addition to the pump house, installing electrically operated pumping machinery, building concrete reservoir and remodeling electric lighting system at Fort Ethan Allen.

BOSTON, MASS.—Bids will be received until June 9 for relaying water pipe in Church, Fayette, Melrose, Brighton, Caldwell, Crafts, Beacham and Middlesex Sts. Louis K. Rourke is Comr. Pub. Wks.

EVERETT, MASS.—Bids will be received until June 9 by the Board of Public Works for 16-in. pipe and various special castings, and 16-in. gates. James Chambers is Chn. Bd.

✚AYER, MASS.—A contract has been awarded to the HODGE BOILER WORKS, 72 Mason Bldg., Boston, Mass., for the erection of a steel standpipe, 45 ft. diameter and 50 ft. high, to contain 600,000 gallons. This is a portion of the additional fire protection recently ordered by the town, and there will soon be let two miles of 6 and 8-in. pipe. The total cost of this work will be $20,000. Lewis D. Thorpe, Boston, is Engr.

✚SOUTH HADLEY, MASS.—A contract has been awarded to JOHN E. PLUMER, 1012 Old South Bldg., Boston, Mass., for building a steel standpipe, 35 ft. diameter and 60 ft. high. Two 250-gallon-per-min. Deane triplex power pumps are to be installed, and six miles of 6-in. to 12-in. pipes are to be laid. Total cost of the work will be $60,000. Lewis D. Thorpe, Boston, is Design. Engr.

WATERBURY, CONN.—The only bid received by the Board of Public Works on May 30 for stripping the basin of the new Morris Reservoir was that of Mascetti & Holley, of Torrington, Conn., at $132,500. New bids may be asked. R. A. Cairns is City Engr. Noted on May 25.

✚CORTLAND, N. Y.—We are officially advised that bids were received on May 25 for constructing a 1,000,000-gallon standpipe of ingot iron or open-hearth steel. The contract was awarded on May 29 to the SHARON BOILER WORKS, of Sharon, Pa., at $13,000.

✚*NEWPORT, N. Y.—We are officially advised that bids were opened as follows, on May 29, by the village for the extension of the water system: Baker & Banker, of Herkimer, N. Y., standard pipe, $15,408; universal, $16,832. John H. Willoughby, Newport, N. Y., $13,694, and $14,931; NEWPORT CONSTRUCTION CO., Newport, universal pipe, $12,241 (awarded contract).

SALEM, N. Y.—The village has granted to Frank A. Hill a franchise to install a waterworks system, the supply to be taken from Scott Lake.

BUFFALO, N. Y.—The Mayor has signed the resolution providing for an issue of $1,-000,000 of bonds for the completion of the new water-works pumping plant. F. G. Ward is Comr. Pub. Wks.

NEW YORK, N. Y.—Bids will be received until 2 p. m., June 21, by Henry S. Thompson, Comr. Water Supply, Gas and Electricity, for furnishing and driving test wells in Kings, Queens and Nassau Counties, Long Island, New York; and for hauling and setting fire hydrants and appurtenances in various streets in the Borough of Manhattan.

✚NEW YORK, N. Y.—Contracts were awarded on June 5 as follows by the Board of Water Supply, we are officially advised, for Contract 65, for the construction of a portion of the city tunnel of the Catskill Aqueduct, a circular tunnel in rock, 15 ft., and 14 ft. inside diameter. From the northerly end of the work at Aqueduct and Burnside Aves., near University H[...] nel line extends in a gener[...] rection under Aqueduct and [...] the Borough of The Bronx, under the Harlem River at Highbridge, thence beneath [...] Nicholas and Morningside [...] necting streets, in the Borou[...] tan, to Central Park near E[...] West 99th St. The work wi[...] through seven shafts, spaced [...] 5,100 ft. apart, and varying [...] 260 to 475 ft., and for Contr[...] construction of a portion of [...] of the Catskill Aqueduct, a [...] in rock, varying from 14 ft. to [...] diameter. From the northerly [...] work in Central Park, near E. [...] West 99th St., the tunnel line [...] general southerly direction [...] Park, Sixth Ave. and Broadway [...] in Union Square. The work w[...] on through six shafts, spaced [...] 4,550 ft. apart, and varying in [...] 206 to 250 ft.: Contract 65 t[...] BURG CONTRACTING CO., P[...] at $5,590,225; Contract 66, [...] SMITH & LOCKER, Rome, N[...] 512,605. Itemized bids for the [...] tracts were published on May 1[...] tract Prices.

LONG ISLAND CITY (L. I.) [...] were received on May 24 By [...] Thompson, Comr. Water Supp[...] Electricity, for furnishing and [...] mains in Academy, Amity, Brag[...] Crescent and other streets in Que[...] as follows: Roswell S. Willia[...] including pipe, valves, hydrants [...] E. Kelly, $89,182; Beaver Eng[...] Contracting Co., $95,052; Frankli[...] ing Co., $99,069; Daly Bros. Co[...] Nelson & Dowling, $78,526; R. [...] $96,035; Peace Bros., $77,449; W[...] struction Co., $96,534; D. Cuozzo [...] 544.

BRIDGETON, N. J.—Bids will be received by Jacob J. Jones, City Clk., until June 27 for the construction complete of a pumping station and water filtration works, with machinery, pumps, filters, etc. Clyde Potts, 30 Church St., New York, is Engr.

*NEWARK, N. J.—Bids will be received until 3.15 p. m., June 15, by the Board of Street and Water Commissioners, Morris R. Sherrerd, Ch. Engr., City Hall, for the following coated c.-i. water pipe and special castings: 689 tons (2,000 lbs.) from 6 to 10-in.; 492 short tons of 12-in.; 150,000 lbs. of ordinary specials from 4 to 12 ins. in diameter, all f. o. b. cars Newark, N. J. For details see advertisement in this issue.

PHILADELPHIA, PA.—Bids will be received until June 9 by the Commanding Officer, Frankford Arsenal, Philadelphia, for furnishing, under Proposal No. 129, 14 extra-heavy gate valves, ten check valves, two angle valves, 13 globe valves, 36 ft. of w.-i. pipe, 40 ft. brass pipe, 25 extra-heavy brass unions, 53 iron elbows, 12 iron tees, 12 elbows, 14 flanged tees, 40 corrugated copper gaskets, 38 c.-i. flanges, one steam ejector, four c.-i. tees, eight heavy brass elbows. For further information address the Commanding Officer.

✚CLYMER, PA.—The contract for the construction of the reservoir for the Citizens Water Co. of Clymer, has been let to P. J. McGOVERN, of Indiana, Pa. Estimated cost, $15,000.

MOUNT PENN, PA.—Surveys are being made and specifications are being prepared for the construction of a new 3,000,000-gallon reservoir for the Mount Penn Suburban Water Co. H. S. Hinnershitz is Supt.

POLK, PA.—The State Institution for Feeble-Minded, Polk, Pa., has employed Chester & Fleming, Engrs., Union Bank Bldg., Pittsburg, to design and install a hypochloride treatment plant for the auxiliary water supply of the institution.

MILTON, DEL.—We are officially advised that the village will lay three miles of pipe, construct a 75,000-gallon standpipe; sink two wells, and construct a pumping plant. George E. A. Fairley is Engr., 511 Equitable Bldg., Baltimore, Md.

LA PLATA, MD.—We are officially advised that the town will install several miles of pipe, construct a pumping plant and a 50-000-gallon tower and make other water improvements. George E. A. Fairley is Engr., 511 Equitable Bldg., Baltimore, Md. Noted on May 25.

*FREDERICK, MD.—Bids addressed to the Board of Aldermen will be received until 2 p. m., June 15, at the office of the City Register, for furnishing and also laying c.-i. pipes, special castings, valves, etc. Plans and specifications and all information can be obtained from William H. Boardman, Engr., 426 Walnut St., Philadelphia, Pa., or Frank E. Tyeryar, Water Supt.

ARLINGTON, VA.—Bids will be received until 11 a. m., June 17, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the construction of one 600-ft. and two 450-ft. steel towers at the U. S. Reservation here.

FORT MYER, VA.—Bids were received on May 25 by the Constructing Q. M., U. S. A., Fort Myer, for constructing 10-in. water main from Rosslyn, Va., to Fort Myer, as follows: (a) addition to pump house, Rosslyn, (b) filter and accessories, (c) water main running from Rosslyn to Fort Myer, Va.: American Steam Pump Co., Washington, D. C., for pumps only, $181; alternate, $221. McCay Engineering Co., Baltimore, Md., (c) $20,677; 100 working days. P. N. McCray, Washington, (a) $3,100; 90 working days. Julius Wanner, Washington, (c) $1[...]00; 90 days. General Contract Co., New Orleans, La., (a) $2,000, (b) $7,200, (c) $2[...]767; alternate, using c.-i. pipe, $24,600; five months, all or none. R. E. Boiseau, Washington, (a) $2,860, (c) $24,500; five months. James Nolan Sons, Washington, (a) $[...]500, (b) $6,375; 90 working days. John W. Danforth Co., Washington, (a) $3,400, (b) $5,-200, (c) $19,000; four months. Newport Contracting & Engineering Co., Newport News, Va., (a) $3,000, (b) $6,400, (c) $21,-775; $175 from total if given all work; five

months. [illegible] F. Brenizer Co., Washington, (a) $2,1[illegible] 120 working days. L. B. Jacobs, Newark, [illegible], (c) $17,446; three months. F. A. [illegible] Philadelphia, Pa., (a) $3,000, (c) $19,[illegible]; six months.

CLINT[illegible] N. C.—The city has voted to issue b[illegible] for $30,000 for the installation of wate[illegible]rks and sewers.

SYLV[illegible]ER, GA.—The city, it is reported, is cons[illegible]ng the issuance of bonds for $20,-000 for [illegible]nding the water and sewer mains.

BRAD[illegible]TOWN, FLA.—The city has voted $15,000 [illegible] bonds for water-works improvements.

GAD[illegible]N, ALA.—The Water-Wks. Department, [illegible] E. Jones, Supt., will receive bids until [illegible] June 21, for about 900 tons of water [illegible]ns, 20 tons of specials, 20 tons of lead, [illegible] valves and 26 hydrants.

McKE[illegible]ZIE, TENN. — Bids will be asked, about [illegible] 1, by the city for the construction of [illegible] water-works and an electric light plant [illegible] for improvements to various streets. [illegible]onds for $40,000 have been voted. C. H. [illegible]ks, St. Louis, Mo., is Engr.

*FRA[illegible]KFORT, KY.—Bids for laying a line of wa[illegible] main from Stiltz Lane and Workhouse [illegible]ad to Lakeland, addressed to the Presid[illegible] of the Kentucky State Board of Contro[illegible] for Charitable Institutions, will be receiv[illegible] at the office of the Louisville Water Co., [illegible] Third St., Louisville, Ky., until 11 a. [illegible], June 27. The work will consist of furn[illegible]hing and laying 40,000 ft. of 8-in. c.-i. bell [illegible]pigot pipe, or as an alternative: 7,300 ft. of [illegible]-in., 21,680 ft. of 12-in. and 10,960 ft. of [illegible]-in. Plans and specifications, and forms [illegible] proposals and contracts may be obtain[illegible] at the office of the Louisville Water Co. or [illegible] the office of the Kentucky State Board of Control for Charitable Institutions, Frankfort. Albert Scott is Pres. Bd.

EUCLID, OHIO. — Bids are asked until noon, June 26, by Fred H. Schoaff, Village Clk., for laying a 6-in. water main in Cliffview Ave., Hillview Ave., Dunham Ave., and Euclid Road. Plans and specifications are on file at the office of the Village Clerk, and at the office of the F. A. Pease Engineering Co., 931 Williamson Bldg., Cleveland, Ohio.

URBANA, OHIO. — The City Council has passed an ordinance providing for an issue of $25,000 of bonds for water-works improvements.

✚CINCINNATI, OHIO.—Bids were received on May 22 by the Director of Public Service for two turbine water wheels for the head-house of the filtration plant. The contract has been awarded to the TRUMP MFG. CO., of Springfield, Ohio.

CLEVELAND HEIGHTS, OHIO.—Bids will be received by H. H. Canfield, Village Clk., 309 Beckman Bldg., Cleveland, until noon, July 5, for constructing a 10-in. water main in a portion of Cedar Road. The F. A. Pease Engineering Co. is Engr., 931 Williamson Bldg., Cleveland.

COLUMBUS, OHIO.—Bids will be received by H. S. Holton, Dir. Pub. Ser., until noon, June 9, for furnishing and delivering 108,000 lbs. of pig lead and 108,000 lbs. of lead pipe.

IRONTON, OHIO.—Plans for a test well are being prepared by K. Burrgess, of Columbus, Ohio.

PORTSMOUTH, OHIO.—Plans are being prepared for the construction of a water-works plant. Estimated cost, $300,000. H. F. Thompson is Clk. Dept. Pub. Ser.

✚TOLEDO, OHIO.—Bids were received on May 26 by the Board of Public Service for furnishing and installing a rotary pump of 15,000,000 gallons daily capacity, gas producer and accessories of about 400 HP. continuous capacity. The contract has been awarded, we are officially advised, to the RATHBUN-JONES CO., of Toledo, at the following prices: Pump, $5,510; one gas engine, $12,428; two producers, $10,015.

*HAMMOND, IND.—Bids will be received by the Board of Public Works until 10 a. m., June 21, for furnishing and laying water pipe, etc. For details, see advertisement in this issue.

BLOOMINGTON, ILL.—The city is considering the laying of watermains. Seth Noble is Supt. W.-Wks.

LOSTANT, ILL.—Plans for the construction of a water-works system are being prepared by H. M. Price, Consult. Engr., Hartford Bldg., Chicago, Ill.

CHICAGO, ILL. — Bids were received on May 23 by L. E. McGann, Comr. Pub. Wks., for erecting a boiler room at the Roseland pumping station, coal bunkers with platform, ash hopper, coal-receiving hopper spouts, valves, etc., as follows: Roemheld & Co., 171 La Salle St., 4.08 cts. per lb.; John J. Gallery, 154 Whiting St., 5 cts.; Phillips Lang & Co., 98 Jackson Boulevard, 4.1 cts. Estimated weight, 220,000 lbs. All bidders are of Chicago.

✚LA CROSSE, WIS.—Contracts for all the piping, hydrants, valves and specials to be used in the construction of the water extensions were let by the Board of Public Works on May 24. The W. A. ROOSEVELT CO., of La Crosse secured the contract for 118 valves at $2,012, and for 90,725 lbs. of specials at 2½ cts. per lb. The contract for the pipe, 1,240 tons, was awarded to the U. S. CAST IRON PIPE & FOUNDRY CO., 71 Broadway, New York, at $25 per ton. The LUDLOW VALVE CO. secured the contract to furnish 24 hydrants at $31.85 each. Estimated total cost, $76,000.

[illegible]POONER, WIS.—The contract for improvements to the water-works plant here has been awarded to the POWER ENGINEERING CO., of Minneapolis, Minn.

✚MILWAUKEE, WIS.—The Department of Public Works, Harry E. Briggs, Comr., has awarded the contract for constructing the extension of the west side high service water main to cennect with the south side main, about 40 city blocks of 30 and 20-in. c.-i. pipe in 29th, Cedar and 35th Sts., St. Paul and Arbauld Aves., to EDWARD O'DONNELL, 1219 Clyborn St., Milwaukee, at $1.43 and $1.40 per lin. ft. for the 30-in. and 83 cts. for the 20-in. main. Noted on June 1.

WEBSTER CITY, IOWA.—The City Council has decided to lay two miles of water mains in the south and western sections of the city. Estimated cost, about $6,000.

BENSON, MINN.—The City Council will receive bids until 8 p. m., June 12, for laying 1,800 ft. of 4-in. water mains. Noted on June 1.

DODGE CENTER, MINN.—The contract for the installation of a water-works system has been awarded to the DES MOINES BRIDGE & IRON CO., of Des Moines, Iowa, at $18,318.

GOOD THUNDER, MINN.—A. F. Wendlandt, Village Recdr., will receive bids until 7.30 p. m., June 12, for the construction of a water tower and connecting pipe and the removal of the present tower.

CHERRYVALE, KAN.—Bids will be received until noon, June 19, by E. E. Bellamy, City Clk., for the construction of a water purification plant, a storage reservoir, etc. Plans, etc., may be seen at the office of the City Clerk and at the office of the J. S. Worley Co., Reliance Bldg., Kansas City, Mo.

LAWRENCE, KAN.—Bids will be received by the Board of Commissioners of Douglas County, at the office of W. R. Green, County Clk., until noon, June 15, for sinking a well at the county farm, brick to be furnished by the county.

PARSONS, KAN.—Plans for the construction of a pumping plant are being prepared by J. M. Guiles, City Engr.

✚*BATTLE CREEK, NEB.—The INTER-MOUNTAIN BRIDGE & CONSTRUCTION CO., Tecumseh, Neb., has been awarded the contract by the Village Board for the construction of a water plant. The work includes a concrete pump house, furnishing one 25-HP. gasoline engine, one 6-in. × 8-in. pump, one 6-in. × 6-in. air compressor, one steel tank, 9 ft. × 38 ft., and furnishing and laying 9,800 ft. of 4 and 6-in. water mains. Estimated cost, $10,000. The Alamo Engine & Supply Co., Omaha, is Engr. Bids were opened on May 22.

✚BELLE FOURCHE, S. DAK.—Bids were opened on May 18 by the U. S. Reclamation Service for the construction of about 39,000 lin. ft. of canal, known as the "Townsite Lateral," Belle Fourche Project. The contract has been awarded to BOTSON & SHIRLEY, of Newell, S. Dak., at $7,162.

GETTYSBURG, S. DAK.—Bids will be received by the City Council until June 10 for constructing a reservoir and a pump-house. R. L. Flickinger is City Audr.

MILAN, MO.—The city has voted in favor of constructing water-works.

ST. CHARLES, MO.—The city has voted $30,000 of bonds for the improvements to the water-works. J. N. Olson is Mayor.

✚BLYTHEVILLE, ARK. — The Blytheville Water Co. has awarded a contract to the UNITED WELL WORKS, Stuttgart, Ark., for a 1,500-ft. 8-in. artesian well.

ENGLAND, ARK.—The city will receive bids until July 1 for a 30-year franchise for a deep-well water system and electric light plant. H. Galloway is Recdr.

MENA, ARK. — We are officially advised that Winters & Dove, Civil Engrs., 810 First National Bank Bldg., Fort Smith, Ark., have completed plans and specifications for a new distribution system for Water Works District No. 2, of Mena. Separate bids will be considered for the materials and the construction, as follows: For 780 tons c.-i. pipe and special castings, 71 4-in. to 12-in. valves and 27 hydrants; and for laying approximately 40,000 ft. of 4-in. to 12-in. mains. Blanks and specifications may be had by addressing the engineers. Contracts will be let on June 23. Noted on March 23.

CORPUS CHRISTI, TEX. The City Council has under consideration plans for the improvement and enlargement of the water supply system. The damming of the Nueces River, in order to provide an ample storage supply and the piping of the water several miles into the city, may be decided upon.

✚DALLAS, TEX.—The city has awarded the contract to SHARP & CO. to drill three wells, about 800 ft. deep. Estimated cost, $6,000.

MOUNT PLEASANT, TEX.—The municipal water-works system will be improved by the installation of a new pumping plant.

SAN ANTONIO, TEX.—W. B. Tuttle, it is reported, will install a system of irrigation and a pumping plant upon a tract of land eight miles south of here.

The City Council has appropriated $10,000 for an investigation of the water supply system. Experts will be engaged.

BARTLESVILLE, OKLA.—E. T. Archer & Co., Consult. Engrs., Kansas City, Mo., are preparing estimates and an appraisal of the Bartlesville Light & Water Co., preparatory to the taking over of the property by the city. The approximate cost, including repairs and extensions will be about $200,000. Estimates will be submitted to a vote of the people in about 30 days.

COMANCHE, OKLA.—The city has voted bonds for the extension of the water-works system.

EL RENO, OKLA.—Plans are being prepared for the extension of the water-works system. P. P. Duffy is Mayor.

TULSA, OKLA.—The City Commissioners have engaged Dabney H. Maury, Consult. Engr., Peoria, Ill., to investigate the Arkansas River and the sand and gravel beds of the Arkansas River Valley as a source of water supply, and to report to the commission the most feasible source, their relative purity, and healthfulness, cost of installation and maintenance.

✚VIAN, OKLA.—Bids were received on May 22 for the construction of water-works. The contract has been awarded to the HEALY CONSTRUCTION CO., of McAlester, Okla., at $18,303, including tower and tank, pump pipe, buildings, etc.

*MUSKOGEE, OKLA.—Bids will be received by the City Council until 10 a. m., June 27, for the construction of a water intake and inlet tower. All bids must be filed with Charles Wheeler, Jr., City Clk. The water-works intake is a 54-in. submerged concrete pipe line, 2,000 ft. long, to be laid across the Arkansas River and up to the bed of the Grand River. The intake tower is a concrete structure built at the upper end of the intake. Plans and specifications can be seen and secured at the office of T. B. Clonts, City Engr., or at the office of Alex Potter, Consult. Engr., 114 Liberty St., New York, after June 10.

COLORADO SPRINGS, COLO.—Bids will be received until 10 a. m., June 16, by the City Council, for furnishing the materials and performing the labor necessary for the extension of water mains. The work includes: Furnishing and laying about 63,785 ft. of c.-i. pipe, 4 ins. to 16 ins., including about 43 tons of special castings. Alternate bids will also be received for 16-in., also 12-in. steel pipe; 143 gate valves and boxes; five hydro-electric remote controlled, 12-in. valves; five 12-in. pressure reducing valves; 53 tons of pig lead; two tons of calking hemp; 20 man-hole covers; constructing 20 manholes. Bids must state whether the work alone, the materials and work, or materials, is bid on. Charles Chapman is City Clk.

✚DOLORES, COLO.—The contract for a gravity water-works system, 8-in. wood pipe supply line six miles long and 4 and 6-in. Mathewson steel distributing line, has been let to GEORGE H. SETHMAN, 250 Equitable Bldg., Denver, Colo., at $45,000.

LAS CRUCES, N. MEX.—See item under Light, Heat and Power Plants.

✚BOISE, IDAHO.—The contract for furnishing hydraulic turbines to be used at Arrow dam in connection with the Boise irrigation project, Idaho, has been awarded to ALLIS-CHALMERS CO., Milwaukee, Wis., at $17,310.

MASON, NEV.—The Mason Light & Power Co., it is reported, will increase the water supply to meet the needs of the city.

TUCSON, ARIZ.—J. C. Wheat, H. H. Huggins and J. C. Meadows, it is reported, are planning for the construction of a gravity canal which will leave Santa Cruz River at point about twelve miles northwest of the city and be several miles in length. It will irrigate 500 acres of land in the Santa Cruz Valley and cost about $10,000.

ELMA, WASH.—Bids will be received at the office of C. N. Long, City Clk., until 3 p. m., June 13, for furnishing materials and constructing a water-works system and pumping plant. Plans may be seen and specifications, forms for contract and bond can be obtained after June 1 upon application at the office of the City Clerk or Louis C. Kelsey, Civil Engr., Selling Bldg., Portland, Ore. Noted on May 11.

NORTH YAKIMA, WASH.—The Pacific Power & Light Co., Los Angeles, Cal., will extend its water mains to all parts of the city. J. E. Davidson is Gen. Mgr.

TACOMA, WASH.—The city is considering laying 6-in. iron water mains in Yakima Ave. and other streets. Estimated cost, $11,-345. W. C. Raleigh is City Engr.

✚PASCO, WASH.—The contract for furnishing the pipe for the water system for Sylvester's Addition has been awarded to the WASHINGTON PIPE & FOUNDRY CO., of Tacoma, Wash.

GLADSTONE, ORE.—The City Council is considering the issuance of $20,000 of bonds for the construction of a water system.

✚HAINES, ORE.—The contract has been awarded by the city to G. H. SUTHERLAND & CO., of Walla Walla, Wash., for the installation of the water system here, at $15,-478. Noted on May 4.

HERMISTON, ORE.—John T. Whistler, Chamber of Commerce Bldg., Portland, Ore., is preparing plans for the construction of water-works. Estimated cost, $25,000. Noted on May 11.

WALLOWA, ORE.—The City Council has decided to extend the water system.

PORTLAND, ORE.—Bids will be received by the Water Board until June 13 for furnishing 200 fire hydrants f. o. b. cars Portland.

✚The Water Board has awarded the contract for 1,500 tons of 6, 10 and 12-in. c.-i. water pipe to the OREGON CAST IRON & STEEL WORKS, of Oswego, Ore., at $48,375, and the contract for furnishing the department with 100 tons of water main specials at $4,900 to SMITH & WATSON IRON WORKS, of Portland.

ALTURAS, CAL.—Sloan & Robson, Consult. Engrs., Nevada Bank Bldg., San Francisco, are preparing plans for steel water tanks to be erected at Alturas, as a part of the municipal water system. Two tanks will be erected, one with a capacity of 100,000 gallons and the other 150,000 gallons.

SAN BERNARDINO, CAL.—The Bear Valley Mutual Water Co. has awarded a contract, it is stated, to W. M. ADAMS for constructing 2,500 lin. ft. of rock covered canal at $3 per lin. ft.

SAN FRANCISCO, CAL.—The Board of Public Works has been authorized to award contracts for the construction of Sections A and B of the intake tunnel at the Townsend St. pumping station of the auxiliary water supply system for fire protection. Estimated cost, $32,000. Marsden Manson is City Engr.

TAVISTOCK, ONT.—Bids will be received until noon, June 14, by J. G. Field, Village Clk., for water-works supplies and labor as follows: About 2,250 ft. of 8-in., 2,550 ft. of 6-in. and 2,100 ft. of 4-in. c.-i. water pipe; about seven tons of special castings; about 16 hydrants, valves, etc. Also excavating for laying and covering the above pipe, and one steel elevated tank. Plans, etc., at the offices of F. W. Farncomb, Consult. Engr., 64 Bank of Toronto Chambers, London, Ont., and the Village Clerk.

TORONTO, ONT.—We are officially advised that bids were received on May 25 by the city for cleaning, repairing and relaying the 6-ft. steel conduit between the intake and the tank on the Lake Shore: Davies Contracting Co.'s bid is based on the city furnishing all the necessary plant, material and labor, and Mr. Davies acting as superintendent. Miller, Cummings & Robertson, for bearing pile bents at $40 per pair, anchor piles $35 per pair, for removing sand from around outside of each joint, $450 each, and the remainder of the work at cost plus 20% profit. Leslie Contracting Co., whole work at a profit of 15% on all expenditures for material, wages, plant, etc., including manager's salary. The City Engineer has recommended that the work of cleaning out the sand and removing the same from the joints for examination should be undertaken by the city.

✚SASKATOON, SASK.—The contract has been awarded to the ROBERTS FILTER MFG. CO., INC., Darby, Philadelphia, Pa., by the City Commissioners for the installation of a mechanical water filtration plant at $55,890. W. B. Neil is City Clk.

WILKIE, SASK.—The Town Council has engaged an engineer to prepare plans and specifications for the installation of a water-works system.

SOUTH VANCOUVER, B. C.—The city will purchase 10,000 ft. of 1-in. pipe, two No. 1 muster tapping machines and two pressure gauges.

SEWERS.

*(*Denotes that this work is advertised in Engineering News.)*

*ATTLEBORO, MASS.—Bids will be received until 3 p. m., June 21, by the commission on Sewerage, for laying c.-i. pipe and vitrified pipe, building brick manholes and other appurtenances. J. J. Van Valkenburg is Engr. For details see advertisement in this issue.

✚BUFFALO, N. Y.—The City Council has directed that bids for construction of 10-in. tile sewer in south side of Delavan Ave., east of Congress St., be advertised for and a 10-in. tile sewer in Niagara St., south of Vermont St. The City Council has also ordered construction of a 24, 20, 18, 15 and 12-in. tile sewer in Cambria St., between Dingens St. and the city line. A 10-in. tile sewer in Wesley Ave., south of Hertel Ave. Also that contract for a 15-in. and 12-in. tile sewer in Norris St. be placed with J. M. FAHNING.

NORWICH, N. Y.—The Sewer Commissioners of this place will receive bids for about 1,700 ft. of 8-in. sewer, June 9. E. F. Musson, 12 Sheldon St., Norwich, N. Y., is Engr.

✚SYRACUSE, N. Y.—PATRICK KIELY has been awarded the contract to build a reinforced-concrete sewer in Colvin St., at a cost of $51,703.

NEW YORK, N. Y.—Bids will be received by the President of the Borough of Queens until 11 a. m., June 19, to reconstruct the Harris Ave. sewer from Van Alst Ave. to Crescent St., and to construct a sewer and appurtenances in Harris Ave. from Crescent St. to Jackson Ave.; in Jackson Ave., from Harris Ave. to Purvis St.; in Purvis St., from Jackson Ave. to the Thompson Ave. Viaduct, and under the Thompson Ave. Viaduct to the existing sewer, located under the property of the L. I. R. R. Co., and a dry weather flow sewer and a storm water relief sewer in Creek St., from Meadow St. to Nott Ave., and a dry weather flow sewer in Nott Ave., from Creek St. to a point half way between Mount St. and School St., and a storm water relief sewer in Nott Ave., from Creek St. to a point about 350 ft. east of Creek St., and a storm water sewer in Nott Ave., from a point half way between Mount St. and School St. to a point about 350 ft. east of Creek St., and an outlet from the last point to the Dutch Kills Canal, First Ward, together with the work incidental there. Also to construct a temporary sewer and appurtenances in 22d St., from Eigth Ave. to Eleventh Ave., at Whitestone, Third Ward. Laurence Guesser is Boro. Pres.

*BALTIMORE, MD.—Bids will be received until 11 a. m., June 28, by the Board of Awards of Baltimore City for constructing Jones Falls conduits, Section No. 1, storm water contract No. 14. The following are the approximate quantities: 28,000 cu. yds. earth excavation, 900 cu. yds. rock excavation, 40,000 cu. yds. concrete masonry, 750 cu. yds. brick masonry, 4,000,000 lbs. reinforcing steel, 12,000 sq. yds. granolithic resurfacing, 140,000 lin. ft. piles, 2,000 M. ft., B. M., lumber in foundation, 50 tons cast-iron pipe and specials, 900 lin. ft. vitrified sewer pipe, 6 to 30-ins. in size, 40 tons structural steel. Plans on file at the office of Calvin W. Hendricks, Ch. Engr. of the Sewerage Com. For details see advertisement in this isue.

RED SPRINGS, N. C.—Bids will be received until 3 p. m., June 27, by the Board of Public Works for the construction of a sewerage system. A. B. Pearsall is Chn.

AKRON, OHIO.—See item under Streets and Roads.

* AKRON, OHIO.—The city authorities are making preparation for repairing a sewer in North Howard St., which was damaged by a gas explosion recently.

CONNEAUT, OHIO.—Bids will be received by the Director of Public Service until noon, June 8, for constructing storm sewers in portions of Chestnut and Jackson Sts. Plans, etc., at office of Board.

TOLEDO, OHIO.—Bids will be received until noon, June 15, by the Director of Public Service for the construction of sewers. Fred Shane is Secy.

YOUNGSTOWN, OHIO.—Bids will be received by the Board of Public Service until noon, June 9, for installing two sewers.

CRAWFORDSVILLE, IND.—Plans are being prepared by E. R. Warbritton for the construction of about 700 lin. ft. of 8-in. sewer in Market St. F. B. Robinson is Clk. Bd. of Pub. Wks.

HOOPESTON, ILL.—The contract for the construction of a sewer system has been awarded to HENRY REES, Quincy, Ill., at $48,172. Frank Payne, Danville, Ill., is Engr.

CHIPPEWA FALLS, WIS.—Bids will be received for the construction of 3,000 ft. of vitrified pipe sewers in three streets until June 9. L. G. Arnold is City Engr.

✚RACINE, WIS.—The Board of Public Works has awarded sewerage contracts as follows: Pipe sewers in Twelfth St., THOMAS CONSTRUCTION CO., Racine, Wis., at $1.35 for 12-in. and $1.10 for 9-in. pipe; Marquette St., ANDREW THOMSON, Racine, at $1 per lin. ft. for 8-in. pipe; Gertrude and Linden Aves., H. C. HANSON, Racine, at $1.65 per ft. for 12-in. pipe; High and North Main Sts., PATRICK GAVAHAN, Racine, at $1 per ft. for 8-in. pipe; ANDREW THOMSON, at 87 cts. for 8-in. pipe; Green St., PATRICK GAVAHAN, at 95 cts. for 12-in. and $1.03 for 10-in. pipe; West Boulevard, P. JOHNSON, Racine, at $1.10 for 10-in. and $1.05 for 8-in. pipe; Dean Boulevard, ANDREW THOMSON, at $1.03 for 10-in. pipe. W. S. Goodland is Mayor.

WAUPACA, WIS.—Bids will be received by J. F. Knudson, City Clk., until 6 p. m., June 9, for the construction of about 5,000 ft. of 8 and 10-in. sanitary sewer. Plans at office of City Clerk.

CLINTON, IOWA.—The City Council of the City of Clinton rejected all bids on the sewers in Sewer District No. 4, and ordered the City Clerk to readvertise for bids to be acted upon June 13. R. C. Hart is City Engr. and W. F. Hayes City Clk.

MADISON, S. DAK.—Bids will be received soon for the construction of a septic tank. Estimated cost, $65,000. C. A. Trimmer is City Engr.

*MADISON, S. DAK.—The City Council will receive bids at the office of William Rae, City Audr., until 8 p. m., July 6, for furnishing the material and for the construction of a sewer system. For details, see advertisement in this issue.

ST. LOUIS, MO.—Bids will be received by the Board of Public Improvements until June 13 for the construction of sewers in Harlem Creek Sewer District No. 6, under authority of Ordinance No. 25495, including the following: 225 ft. of brick sewer, 70 ins. in diameter; 355 ft. of brick sewer, 68 ins. in diameter; 829 ft. of brick sewer, 66 ins. in diameter; 164 ft. of brick sewer, 64 ins. in mean diameter; 263 ft. of brick sewer, 64 ins. in diameter; 344 ft. of brick sewer, 54 ins. in diameter; 169 ft. of brick sewer, 50 ins. in diameter; 1,120 ft. of brick sewer, 40 ins. in mean diameter; 1,151 ft. of brick sewer, 35 ins. in mean diameter; 454 ft. of brick sewer, 32½ ins. in mean diameter; 180 ft. of brick sewer, 30 ins. in mean diameter; 177 ft. of pipe sewer, 27 ins. in diameter; 1,410 ft. of pipe sewer, 24 ins. in diameter; 970 ft. of pipe sewer, 21 ins. in diameter; 1,460 ft. of pipe sewer, 18 ins. in diameter; 5,880 ft. of pipe sewer, 15 ins. in diameter; 10,140 ft. of pipe sewer, 12 ins. in diameter. Maxime Reber is Pres.

ST. LOUIS, MO.—Bids will be received by the Board of Public Improvements, Room 300, New City Hall, until June 16, for the construction of sewers in Harlem Creek Sewer District No. 7, under authority of Ordinance No. 25300, including the following: 955 ft. of brick sewer, 78 ins. in diameter; 545 ft. of brick sewer, 75 ins. in diameter; 152 ft. of brick sewer, 72 ins. in diameter; 657 ft. of brick sewer, 70 ins. in diameter; 486 ft. of brick sewer, 62 ins. in diameter; 533 ft. of brick sewer, 60 ins. in diameter; 172 ft. of brick sewer, 50 ins. in diameter; 604 ft. of brick sewer, 45 ins. in diameter; 209 ft. of brick sewer, 42½ ins. in mean diameter; 259 ft. of brick sewer, 40 ins. in mean diameter; 607 ft. of brick sewer, 35 ins. in mean diameter; 370 ft. of brick sewer, 32½ ins. in mean dimaeter; 1,723 ft. of brick sewer, 30 ins. in mean diameter; 146 ft. of brick sewer, 27½ ins. in mean diameter; 51 ft. of pipe sewer, 27 ins. in diameter; 1,700 ft. of pipe sewer, 24 ins. in diameter; 290 ft. of pipe sewer, 21 ins. in diameter; 3,640 ft. of pipe sewer, 18 ins. in diameter; 6,070 ft. of pipe sewer, 15 ins. in diameter; 14,530 ft. of pipe sewer, 12 ins. in diameter. Maxime Reber is Pres.

SWEETWATER, TEX.—M. A. Joy, Terrell, Tex., has been granted a franchise by the City Council of this city for the construction of a sewer system and disposal plant here.

WEST, TEX.—The City Council has taken preliminary steps towards constructing a system of sewers here. Bonds will be issued for the purpose.

GRANTS PASS, ORE.—Bids will be received about July 15 for the construction of a 24-in. concrete drainage sewer. F. C. Hobson is City Engr.

*STEELTON, ONT.—Bids will be received by J. Robinson, Town Clk., until 8 p. m., June 10, for the construction of a reinforced-concrete outfall sewer, about 570 ft. in length and 66 ins. interior diameter. Plans and specifications will not be sent out to contractors, but may be seen at the office of Chipman & Power, Steelton, Engrs.

GODERICH, ONT.—Bids will be received until June 15 for the furnishing and laying of approximately 12,800 lin. ft. of storm sewers, building manholes, catch-basins, etc. Specifications, &c, on application to L. L. Knox, Town Clk.

STREETS AND ROADS.

✚BOSTON, MASS.—The following bids were received on May 23 for building a highway in Barnstable, east of the one built in 1910: E. J. ROURKE, Abington, Mass., $10,210 (awarded contract); M. R. Cavanaugh & Bros., $11,014; Frank Williams, Boston, $11,860; Thos. Whalen & Co., Wollaston, Mass., $12,114. Harold Parker is Chn. Mass. Highway Comn.

BOSTON, MASS.—Bids will be received until June 12, for constructing macadam roadway, etc., in Maxwell, Corey, Willow and Weld Hill Sts.

Bids will be received until June 13, for constructing a brick block pavement in Hancock St. Louis K. Rourke is Comr. of Pub. Wks.

Bids will soon be asked for street and road construction, as follows: Highland Ave., at a cost of $42,000; Wallingford Road, $20,000; Canterbury St., $25,000; Morton St., $15,000.

SPRINGFIELD, MASS.—Bids will be received by the Board of Public Works until une 16, for pevink Railroad, Essex and Jackson Sts., about 5,200 sq. yds.

✚DUNKIRK, N. Y.—The Common Council has awarded the contract for paving King St. to J. N. DOYLE, Erie, Pa., at $23,000.

NEW YORK, N. Y.—Bids will be received by Alfred E. Steers, Pres. Boro. Brooklyn, until 11 a. m., June 14, for constructing cement sidewalks on both sides of Albany Ave., between Montgomery and Lefferts Sts., and on various other streets; and for fencing vacant lots on the north side of St. Marks Ave., between Kingston and Albany Aves., and on various other streets.

NEW YORK, N. Y.—Bids will be received by George Cromwell, Pres. Boro. Richmond, until noon, June 13, for regulating, grading, repaving with wood block on a concrete foundation, and constructing sewers on various streets.

NEW YORK, N. Y.—We are officially advised that bids for paving the Bronx and Pelham Parkway, from the Southern Boulevard to the Butler St. Road, were received on June 1, as follows: Barber Asphalt Paving Co., 30 Church St., $17,035; Thomas M. Hart, 2356 Lyon Ave., $13,233; Sicilian Asphalt Paving Co., 41 Park Row, $16,883; Uvalde Contracting Co., 1 Broadway, $17,492. Clarence L. Hill is Clk. of Park Bd.

NEW YORK, N. Y.—Bids will be received by Charles B. Stover, Pres. Park Bd., until 3 p. m., June 15, for furnishing all the labor and material for reconstructing and surfacing with Hudson River road gravel, with asphaltic binder, the roadway of the Bronx and Pelham Parkway, from the Williamsbridge Road to the White Plains Road, in the Boro. of the Bronx.

WALDEN, N. Y.—We are officially advised that all bids received on May 19 for constructing 1½ miles of concrete sidewalk have been rejected, and the work will be done by the village. The estimated cost is 12 cts. per sq. ft. Noted on May 18.

*AUBURN, N. Y.—Bids will be received by Thomas H. O'Neill, Mayor, until 8 p. m., June 20, for paving about 8,430 sq. yds. with vitrified brick, constructing 4,260 lin. ft. Medina sandstone curbing, and other work, as specified in advertisement in this issue.

TROY, N. Y.—Bids will be received by the Board of Contract and Supply until June 16, for labor, services and materials required in regulating, improving, grading, curbing and paving Locust Ave., from Pawling to Alder Ave.

*PLAINFIELD, N. J.—Bids will be received by the Common Council, James T. MacMurray, City Clk., until 8 p. m., June 26, for constructing about 40,000 sq. yds. of plain and bituminous macadam pavement.

✚MORRISTOWN, N. J.—We are officially advised that contracts for road construction were awarded on May 24, as follows: SALMON BROS., Netcong, N. J., Budd's Lake Road, $3,520; Kenvil and Mt. Arlington Road, $1,711✚ Chester & Morristown Road, $11,573; THOMAS J. ALLEN, Netcong, Morristown and Madison Road, $21,706; LUDWIG BATT, South Orange, N. J., a road in Ledgewood, $2,000; Young's Bridge Road, $3,800; W.S. KONOVER, Trenton, N. J., James St., Morristown, $5,550; COLFAX & STEELE, Paterson & Hamburg Turnpike, $3,267. P. E. Bormer, Dover, N. J., is Road Suprvs.

NEWARK, N. J.—Bids will be received by the Board of Street and Water Commissioners until 3:15 p. m., June 15, for paving the following streets: Woodside Ave., from Elwood to Grafton Ave., with brick; Montclair Ave., from Summer to Mt. Prospect Ave., with bitulithic; Scheerer Ave., from Renner Ave., to Bergen St., with bitulithic; Weston Ave., from Frelinghuysen Ave. to the Pennsylvania Railroad, with granite, all to be laid on a 6-in. concrete foundation.

JERSEY CITY, N. J.—Bids will be received by the Board of Street and Water Commissioners, Geo. T. Bouton, Clk., until 2 p. m., June 12, for paving Wilkinson Ave., from Bergen to Jackson Ave., and Pearsall Ave., from Hudson Boulevard to Morris Canal.

✚PHILADELPHIA, PA.—We are officially advised that the contract for grading, constructing Telford roads, macadam paths, drains, gutters, etc., in Valley Forge Park, was awarded on May 29, to WILLIAM H. DOYLE, Berwyn, Pa., at $6,200. Noted on May 18.

✚OLYPHANT, PA.—The contract for paving one mile of streets has been awarded to R. C. RUTHVEN at $24,283. The other bidders were: Stephen Flanagan & Son, $24,837; R. P. McHugh & Co., $24,555; Scranton Paving Co., $24,283.

TARENTUM, PA.—Bids will be received by the Borough Secretary until 4 p. m. June 12, for improving Park and Garfield Sts., involving about 2,900 sq. yds. paving, 3,000 cu. yds. grading, and 2,100 lin. ft. curbing. W. H. Norris is Chn. St. Com.

✚WELLSBORO, PA.—The contract for constructing 9,162 lin. ft. of road extending from Kelsey Creek over West Ave. to the Delmar Township line, a distance of 4,747 lin. ft., and from Main St., over Tioga St., to the Delmar Township line, a distance of 4,415 lin. ft., has been awarded to E. WHALEN, Towanda, Pa., at $34,869. The other bidders were: H. G. Hinkle, Altoona, $43,985; A. E. Francis, Punxsutawney, $37,393; Stucker Wellsboro, $35,143; John Bradley, Corning, $34,741.

TOWSON, MD.—Bids will be received by the Baltimore County Highways Commission, E. Stanton Bosley, Secy., Towson, Md., receives bids until noon, June 15, for building a section of State and highway along Old Court Road, between Quarry Lane and Rockland, 2.01 miles. Plans can be seen and forms of specifications and contract obtained at office of State Roads Commission, Union Trust Bldg., Charles and Fayette Sts., Baltimore, Md.

✚FREDERICK, MD.—The contract for paving South Market and East and West Patrick Sts., has been awarded to the UNITED PAVING CO., Atlantic City, N. J., at $19,393.

*WASHINGTON, D. C.—Bids will be received by the District Commissioners until 2 p. m., June 23, for laying gutters and paving various streets with bituminous macadam. Cuno H. Rudolph is Comr.

BLUEFIELD, W. VA.—Bids will be received by the Board of Affairs until 7.30 p. m., June 16, for macadamizing Princeton Ave. from east end of overhead bridge to corporate limits of city, with water-bound macadam pavement, 15 ft. wide, 7½ ft. on each side. Detailed plans and specifications prepared by City Engineer and on file in his office.

SUMTER, S. C.—Bids will be received until noon, June 12, for constructing 12,000 sq. yds. of pavement on Main St. Information may be had from W. L. Lee, City Engr.

NEWNAN, GA.—Bids will be received by the Mayor and Council of the City of Newnan until 8 p. m., June 19, for laying approximately 22,000 sq. yds. of smooth pavement. Bids are asked on wood blocks, brick, bitulithic and asphalt. Plans may be seen at the office of the City Clerk, or of the J. B. McCrary Co., Consult. & Superv. Engrs., Empire Bldg., Atlanta, Ga., and copies of specifications, forms, etc., may be obtained from either. M. G. Keith is Mayor and E. D. Fouse, City Clk.

SELMA, ALA.—Bids will be received by Julien Smith, City Engr., until noon, June 14, for laying about 5,000 sq. yds. of brick paving on concrete foundation, 2,000 lin. ft. of granite curbing, necessary storm sewers, inlets, etc.

BIRMINGHAM, ALA.—Bids will be received by Julien Smith, City Engr., until June 4 for laying about 5,000 yds. brick pavement on a concrete foundation.

NEW ORLEANS, LA.—Bids will be received at the office of the Highway Department of the Board of State Engineers of Louisiana, Court Bldg., New Orleans, until noon, June 20, for the construction of highways from North St. to the Bayou Sara Road in the city of Baton Rouge, East Baton Rouge Padish, and from Mansfield to Logansport, De Soto Parish. Frank M. Kerr is Ch. State Engr., and Gervais Lombard is Act. State Highway Engr.

✚ASHTABULA, OHIO.—The contracts for paving Market and Hulbert Sts. have been awarded to THOMAS FITZGERALD, at approximately $30,000. There were two other bidders.

✚BUCYRUS, OHIO.—Contracts for paving were awarded on May 26, to MOLLOY BROS., as follows: New Winchester Road, $5,308; Bucyrus-Marion Road, $3,541; Milmore-Marian Road, $2,645.

✚CANTON, OHIO.—Contracts have been awarded to JOHN WILSON, Alliance, Ohio, for paving with brick one mile of the Lexington road, at $17,608, and one mile of the Harrisburg road, at $18,449.

✚CELINA, OHIO.—Contracts for road construction have been awarded as follows: E. & G. ALEXANDER, Mestemaker Pike, $4,197 and the Hemmelgarn Pike, $5,985, both to be built of screening gravel; FISHBAUGH & KARCH, Chickasaw Pike, $21,000, the road to be built of stone; BALMERT & FLAGLER, Guggenbiller Road, $16,550, road to be built of gravel.

CINCINNATI, OHIO.—Bids will be received by the Board of County Commissioners until noon, June 30, for the following county work: For treating Hillside Ave., from Anderson Ferry Road to Cleves and Warsaw Pike, with tar, in Delhi and Miami Townships; for oiling Springfield Pike, from Hartwell to Winton Road, in Springfield Township.

CINCINNATI, OHIO.—Bids will be received by the Board of County Commissioners, Fred Dreihs, Clk., until noon, June 23, for repairing Blue Rock Pike, from Colerain Pike to Miami River Road, in Colerain Township.

COLUMBUS, OHIO.—Bids will be received by H. S. Holton, Dir. Pub. Ser., until June 13, for paving portions of 20 streets.

COLUMBUS, OHIO.—Bids will be received by the County Commissioners until June 28, for the labor and material necessary for the following work: Estimate A, furnishing and applying 10,489 gallons of surface treatment on Harrisburg Pike, from Mount St. to Bissinger Road. Estimate B, furnishing and applying 15,739 gallons of surface treatment on the Sunbury Pike, from the Johnstown Pike to the township line. Estimate C, furnishing and applying 13,630 gallons of surface treatment on the National Road west, from the Big Four R. R. crossing to Alton.

EAST LIVERPOOL, OHIO.—Bids will be received by C. V. Beatty, Dir. Pub. Ser., until noon, June 15, for improving Virginia St., from Pennsylvania Ave. to St. George St., by grading and paving with hard burned vitrified fire brick, and constructing all necessary curbs, retaining walls, sewers, gutters and drains, in accordance with the plans and specifications on file in the office of the Engineer of the Department of Public Service.

GREENVILLE, OHIO.—Bids will be received until June 12 by the Directors of Public Service for constructing sidewalks and curbs in the village.

*KENT, OHIO.—Bids will be received until noon, June 13 for paving Main St. with brick on concrete base. Estimated cost, $30,000. T. A. McMahon is Clk.

✚LIMA, OHIO.—The contract for paving West Elm St. has been awarded by the Board of Control to MURRAY & JAMESON, at their bid of $14,044. The street will be paved with bituminous macadam.

✚LOGAN, OHIO.—The contract was awarded on June 1 by the Commissioners of Hawkins County, for the improvement of the Rockbridge Road, to RADBAUGH & INDODEN, Logan, at $5,069.

GALION, OHIO.—Bids will be received by the Board of Public Service, C. Yochem, Clk., until June 13 for macadamizing North Market St., about 3,200 ft. lo[illegible], paving with brick East Main St., about [illegible] ft., and constructing 5,978 ft. of 30, 18, 15, 12 and 10-in. sewer and twelve manholes.

LARUE, OHIO.—Bids will be received by Will J. Clark, Vil. Clk., until June 16 for paving portions of several streets with vitrified brick or asphalt block.

MARIETTA, OHIO.—Bids will be received by Edward Meisenhelder, Dir. Ser., until noon, June 12, for improving Front St. landing by constructing a road 16 ft. in width by excavating, grading, preparing foundations, and paving with brick paving block, in accordance with the plans, grades, estimates and profiles prepared by E. Frank Gates, Engr. Dept. Pub. [illegible]

TOLEDO, OHIO.—Bids will be received at the office of the Director of Public Service until noon, June 13, for furnishing the labor and material for the improvement of Post St., from Westlake to Albion St., opening and extending the street across rights of way of the Lake Shore & Michigan Southern Ry. and the Michigan Central R. R., by the construction of a roadway under the tracks of the railroads with the necessary approaches, retaining walls, drainage, paving, sidewalks and so forth, all in accordance with the plans and specifications on file in the office of the Chief Engineer of Pub. Ser. Fred Shane is Secy.

Bids will be received until noon, June 16, for similarly improving Kelsey Ave., from East Broadway to Sixth St.

YOUNGSTOWN, OHIO.—Bids will be received by the Director of Public Service, W. H. McMillin, Clk., until noon, June 9, for paving Hillman St., between Mt. Pleasant St. and Warren Ave., and for grading Myrtle Ave., between South Ave. and Gibson St.

INDIANA.—Bids will be received for road construction, as follows:

Until 10 a. m., June 8, by Commissioners of LaPorte County, at LaPorte, for the construction of a macadamized road in Center and Spjringfield Townships. Fred A. Hanshier is County Audr.

Until 11 a. m., June 10, by the Commissions of Vigo County, at Terre Haute, Ind. for constructing the Holdaway Road in Fayette Township. Nathan G. Wallace is County Audr.

Until 10 a. m., June 12, by Board of Public Works of Indianapolis, for the improvement of Indiana Ave., from Illinois St. to the C. C. C. & St. L. R. R. tracks.

Until 10 a. m., June 10, by the Commissioners of Madison County, at Anderson, Ind., for the following roads: The Wallick road, 746 ft.; Perry gravel road, 970 ft.; Flanagan gravel road, 794 ft.; Mason gravel road, 826 ft.; Alfred T. Cox gravel road, 5,308 ft; Shuman gravel road, 5,356 ft.; R. A. McClure gravel road in Duck Creek Township; Randall gravel road, 5,553 ft.; John H. Brown gravel road, 5,300 ft. William T. Richards is County Audr.

DETROIT, MICH.—Bids will be received by the Department of Parks and Boulevards, H. W. Busch, Secy., until June 12 for furnishing and delivering, f. o. b. Detroit, asphalt road oil, rock asphalt, limestone, crushed cobble and trap rock.

ELGIN, ILL.—The sum of $26,500 has been appropriated for paving part of South St. lying in front of the State Hospital grounds. A. C. Barclay is Supt. Paving.

✚MILWAUKEE, WIS.—The contract for paving North Ave., approximately 22,580 sq. yds., has been awarded to the R. F. Conway Co., 138 Wash St., Chicago, Ill., at $1.45 per sq. yd. The other bidders were: Burke Bros., St. Louis, Mo., $1.78; Joseph Hanreddy, Chicago, $1.49; Western Improvement Co., Racine, Wis., $1.54; Badger Construction Co., $1.49; White Construction Co., $1.79. The lowest bid received for paving Greenfield Ave., from Clinton St. to Eleventh Ave., was submitted by the Badger Construction Co., Railway Exchange Bldg., Milwaukee, at $1.40 per sq. yd.

✚MILWAUKEE, WIS.—The contract for paving North Ave., approximately 22,581 sq. yds., has been awarded to the R. F. CONWAY CO., 138 Wash St., Chicago, at $1.45 per sq. yd. The other bids were: Burke Bros., St. Louis, $1.78; Joseph Hanreddy, Chicago, $1.49; Western Improvement Co., Racine, Wis., $1.54; Badger Construction Co., $1.49; White Construction Co., $1.79.

EAST GRAND FORKS, MINN.—Bids will be received until June 12 by the City Council for 21,000 sq. yds. of paving. Estimated cost, $61,500.

NEWTON, KAN.—The city of Newton will receive bids until 10 a. m., June 20, for 5,000 sq. yds. of brick paving on concrete base, with asphalt filler. H. E. Devlin is City Engr.

✚GREAT FALLS, MONT.—We are officially advised that the contract for constructing 820,000 sq. ft. of concrete walks was awarded on May 22 to the MIRACLE-TRYSP CONCRETE CO., Helena, Mont., at $14,361. Noted on May 18.

✚KANSAS CITY, MO.—A contract for building six miles of rock road between Overland Park and Kansas City has been awarded to the DOBBINS-WILSON CONTRACTING CO., at $45,535. The road will be 36 ft. wide, 18 ft. to be macadamized.

ST. LOUIS, MO.—Bids will soon be received by the Commissioners for the East Fourth Street District for paving with creosote block or asphalt on concrete foundation, East Fourth St., from Main to [illegible]tor Ave. Claud Ringo is Secy.

WHARTON, TEX.—Bids will be received until June 19, for constructing three miles of concrete sidewalks. J. G. Johnson is Engr.

✚GALVESTON, TEX.—We are officially advised that the contract for paving Sea Wall Boulevard with brick has been awarded to KELSO & VAUTRIN, Galveston, at $[illegible]125. Noted on May 18.

✚OKLAHOMA CITY, OKLA.—Contracts for paving have been awarded as follows: CLEVELAND TRINIDAD CO., Geary Ave., Second to Third St., $3,019; Byers Ave.,

Third to Fourth St., $1,955; WESTERN PAVING CO., Agnew Ave., from the alley between Hickory and Exchange Sts., to Central Ave., $16,925; SEVERNS PAVING CO., Linwood Boulevard, Tenth to 16th St., $133,-355; Linwood Boulevard, 16th St. to Grand Boulevard, $59,951.

✚PHOENIX, ARIZ.—We are officially advised that the contract for paving various streets with bitulithic on a 5-in. hydraulic concrete base, has been awarded to the WARREN BROTHERS CO., 59 Temple Pl., Boston, Mass., at $2.09 per sq. yd.

✚CHEHALIS, WASH.—Contracts for paving, amounting to $57,740, have been awarded to the WARREN CONSTRUCTION CO., Boston, Mass.

HOQUIAM, WASH.—Bids will be received by the County Commissioners until June 19 for constructing the Emerson Road, which is to cost $17,000.

COQUILLA, ORE.—Bids will be received until 11 a. m., June 13, by the County Commissioners for special improvements in road district No. 12, Coos County, according to plans filed in the office of the County Clk.

•PASADENA, CAL.—The contract for grading, graveling, etc., Washington St., between Hill and Lake Sts., has been awarded to J. E. HADDOCK, at $10,800, and for paving with asphalt macadam South El Molino Ave., between Colorado and California Sts., to JAMES M. MONTGOMERY, at $27,136.

✚LONGBEACH, CAL.—The contract for constructing the seaside walk and bulkhead has been awarded to F. W. YOUNG, Los Angeles, Cal., at $96,000.

✚LOS ANGELES, CAL.—The Board of Public Works have awarded contracts for street improvements, as follows: For improving Towne Ave., to FAIRCHILD GILMORE WILTON CO., Pacific Electric Bldg., Los Angeles, at $26,444; for asphalt paving, cement curbs and vitrified block gutters: For improving Forest Ave., to GEORGE R. CURTIS, 409½ South Cummings St., Los Angeles, at $10,775; for grading, cement curb, gutters, storm sewer and vitrified block gutters. For improving Parkview St., to BARBER ASPHALT PAVING CO., Central Bldg., Los Engeles, at $11,984 for asphalt paving, cement curbs and vitrified block gutters.

✚PASADENA, CAL.—We are officially advised that the contract for paving Orange Grove Ave., about three miles long and 50 ft. wide, has been awarded to the WARREN BROTHERS CO., 59 Temple Pl., Boston, Mass. The pavement will be of bitulithic.

RICHMOND, CAL.—Bids will be received by I. R. Vaughn, Clk. of the City Council, until 8 p. m., June 12, for paving Twelfth St. and others with oiled macadam.

REDONDO BEACH, CAL.—Bids will be received until 8 p. m., June 12, by W. A. Anderson, City Clk., for improving Hermosa Ave., in accordance with specifications; asphalt on concrete base, cement curbs, corrugated iron and concrete culverts.

MANUFACTURING PLANTS.

LEWISTON, ME.—The Lewiston Bleachery & Dye Works are to erect a new building which will measure 40 × 80 ft. and be located a short distance from the dye-house erected by the company last year. The erection of a storehouse is also being planned in connection with the dye works.

✚INDIAN ORCHARD, MASS.—The Indian Orchard Co. has sold a factory site on the east side of the tracks of the Athol Branch R. R., to the Bay State Brick & Stone Co., a new concern, who are to have their offices at 17 Hampton St., Springfield. The company is incorporated under the laws of Massachusetts, its officers being Charles M. Field, of New York, Pres. and Treas.; H. L. Rogers, of Boston, Vice-Pres. and Secy. The product of the company is made under a new patented division method, and the product includes several kinds of brick and other kindred products. The site has a frontage of 324 ft. and is 413 ft. deep. A spur track will be run from the Athol branch road to the factory, and the FRED T. LEY CO., of Springfield, has the contract for this work.

✚HAVERHILL, MASS.—The contract for the 8-story brick factory, to be erected on Granite St., for the C. H. Hayes Corporation, has been awarded to KELLEY BROS.

✚SPRINGFIELD, MASS.—D. W. MELLEN has been awarded the general contract for the cold storage building of the Springfield Provision Co. Subcontracts for the carpenter work have been awarded to W. A. NEWTON & CO., and for the steel work to STEWART N. KING. The building will be 73 × 75 ft., five stories high, of brick, concrete and steel.

✚BRIDGEPORT, CONN.—Official advices are to the effect that plans have been completed and bids will be received by Bernhardt Doehrer, Arch., 167 State St., Bridgeport, for an addition for the Bridgeport Elastic Fabric Co. It will be of mill construction, 60 × 92 ft., two stories and basement. The following is required: One freight elevator, one steel tower and tank, sprinkler system, cast-stone trim, ventilators, slag roofing.

✚MERIDEN, CONN.—The H. WALES LINES CO., of this city, has been awarded the contract for a 4-story addition, 58 x 122 ft., to factory H of the International Silver Co. The building will be of brick, heavy mill construction, with metal window frames.

✚WILLIMANTIC, CONN.—H. H. LYMAN has been awarded the contract for the plumbing and steam heating in the industrial plant which will be occupied by the Rossie Velvet Co.

✚ALBANY, N. Y.—COLLINS BROS. have been awarded the general contract for the construction of a 3-story addition to the mill of Cadby & Sons, 52 Grand St.

BINGHAMTON, N. Y.—The Delaware & Hudson R. R. Co. is receiving bids for the erection of a 10-stall brick and concrete roundhouse, which will be so constructed that it can be enlarged to 40 stalls. It will also build a 90-ft. turntable. George H. Burgess, of Albany, is Ch. Engr.

BUFFALO, N. Y.—The Huebner-Bleistein Patents Co. will at once erect a third factory at its new lithographing plant at Kensington Ave. and New York Central R. R. Belt Line, where the first two buildings are under construction. Plans for the third building are ready for bids.

A factory is to be erected at 320 Terrace St. for the Buffalo Wire Works.

The Republic Metal Ware Co. is having plans prepared for a 7-story brick and concrete addition to its plant at Republic St. and the Erie R. R.

CLAYVILLE, N. Y.—The Utica Knitting Co., owners of the Clayville Knitting Co., plans to materially extend its local mills.

ELMIRA, N. Y.—According to reports a plant is to be established here for the Castle Lamp Co., of Amesbury, Mass. It will be erected on the site of the Morrow Mfg. Co. and will be a 3-story structure, 60 × 300 ft. John N. Willys and Walter Stewart, officers of the Willys-Overland Automobile Co. are back of the project. The plant will cost about $650,000.

LITTLE FALLS, N. Y.—The Steroga Paper Co. is taking bids for a mill building, 50 × 100 ft., which it will build at once.

SENECA FALLS, N. Y.—The New York Mills Co. plans the construction of three extensive additions to its plant No. 2 to provide room necessitated by the partial demolition of its No. 1 plant on Ovid St. and the Erie Canal, to make way for the widening of the new barge canal.

✚UTICA, N. Y.—The Mohawk Valley Cap Co. has let a contract to the JOHN F. HUGHES CONSTRUCTION CO. for the construction of a 1-story addition to its mill on Park Ave. It will be 146 × 235 ft.

SYRACUSE, N. Y.—We are officially advised that bids are being received by John D. Meehan, Hendrick Bldg., for the construction of a 1-story brick and tile plant of steel brick and wood. The building is estimated to cost $10,000, and equipment, $6,000. Noted Jan. 12.

WATERTOWN, N. Y.—Plans are being prepared by A. F. Lansing, Arch., Burdick Bldg., for the construction of a factory for Bagley & Sewall. Estimated cost, $40,000.

CAMDEN, N. J.—The Camden Curtain & Embroidery Co. has been granted a charter to manufacture curtains, handkerchiefs, silks, etc. The capitalization of the new concern is $1,000,000. David Schoenfeld, Louis Loeb and Ferdinand Loeb are the incorporators. The company will be located at Front and Pearl Sts., Camden, it is stated.

JERSEY CITY, N. J.—Plans have been completed and bids are being received by E. M. Patterson, Arch., 1 Montgomery St., for the construction of a 1-story crockery factory for Lesser & Schwartz, 45 Morris St. Cost, $85,000.

We are officially advised that Balch & Beardsley, Archs., 38 West 32d St., New York, have completed plans for the construction of a 5-story reinforced concrete factory, 150 × 68 ft., for the C. F. Mueller Co., 93 Boyd Ave., Jersey City. The architects will receive bids about June 25. Cost, $60,000.

PATERSON, N. J.—Plans are in course of preparation for the erection of a 4-story silk mill, 60 × 145 ft., by Lee & Hewitt, Archs., 1123 Broadway, New York, for the Johnson Van Blaanderen Machine Co., Van Houten St., Paterson. Cost, $70,000.

✚CAMDEN, N. J.—The contract to erect a 1-story engine house, 65 × 160 ft., at the foot of Bulson Ave., Camden, for the Reading Ry. Co., has been awarded to JOHN W. EMERY, 1524 Sansom St., Philadelphia, Pa.

✚PHILADELPHIA, PA.—The WILLIAM STEELE & SONS CO., 1600 Arch St., has a contract for a 5-story concrete factory, 34 × 100 ft., with a wing 35 × 68.6 ft. on the west side of Philip St., north of Lehigh Ave., for the North Bros. Mfg. Co. The cost will be $50,000.

Edward Stern & Co., Inc., are about to build an 8-story printing house on the lot at the northeast corner of 17th and Vine Sts., which they purchased some time ago. The lot, which is now occupied, has a frontage of 117 ft., with a depth of 126 ft. The building, which has been designed by Ballinger & Perrot, 1211 Arch St., will be of fireproof construction, built of gray brick, with a granite base, with terra cotta and Indiana limestone trimmings. The main entrance will be on Vine St. the first story to be raised several feet above the street level. There will be a concrete tank and tower on the roof, containing a 40,000-gallon sprinkler tank. The cost of the building will be about $300,000.

CANTON (Baltimore post-office), MD.—In order to afford storage and handling facilities for its increased output, the Miller Fertilizer Co., located at the foot of First St., Canton, will erect a storage shed to measure 80 × 120 ft. Theodore W. Pietsch, Arch., American Bldg., Baltimore, will submit plans for the building and bids will be asked for immediately. The storehouse will be of heavy frame construction on concrete foundations.

✚ASHBURN, GA.—The Gulf Line Ry. Co. has awarded a contract to W. C. JAMES, of Ashburn, for the erection of shops here. There will be four buildings. W. T. Hargrett, of Sylvester, Ga., is Gen. Supt.

ANNISTON, ALA.—The American Net & Twine Co., of Anniston, and East Cambridge, Mass., will double the capacity of its plant here. An addition to the main building, a 60 × 300-ft. warehouse of brick construction, and 20 cottages for operatives are among the proposed improvements. Machinery will be installed to double the present capacity of the plant, now operating 10,000 ring spindles. It is reported that the cost will be about $150,000.

MEMPHIS, TENN.—The lowest bid received recently for the construction of a 4-story and basement structure for the Taylor Paper Co. was that submitted by Fred B. Young. It will be of brick and concrete construction and 65 x 160 ft. The amount of bid was about $65,000.

✚FRANKLIN, OHIO.—The Franklin Coated Paper Co., a new corporation of Franklin, has awarded to the J. R. STEVENS CO., this city, a contract for a plant to cost $100,000, the same having been planned by S. B. Hughes, of Cincinnati. Noted May 18.

✚CLEVELAND OHIO.—C. E. Skeels, Rose Bldg., Cleveland, has awarded the general contract for the 1-story factory, 126 × 303 ft., for the Otis Lithograph Co., Caxton Bldg., Cleveland, to HENRY SLATMYER, 203 Lake side Ave. Cost, $50,000.

ST. BERNARD (Cincinnati post-office), OHIO.—Between $300,000 and $400,000 will be spent by the M. Werk Co., soap manufacturers on Popular St., in the erection of a reinforced concrete plant on the site of Chester Lake, at St. Bernard, it is reported.

FORT WAYNE, IND.—The Mayflower Milling Co., of which Solomon Bash is Pres., will ask for bids soon for the erection of a flour mill and grain elevator on the site of the mill and elevator recently destroyed by fire. The estimated cost of the new buildings is $175,000.

SOUTH BEND, IND.—The Ideal Concrete Machinery Co., of which Mentor Wetzstein is Pres., has ordered plans for the erection of an addition to its factory plant. Estimated cost $150,000. Bids will be received soon.

TERRE HAUTE, IND.—The Grease Cup Co., recently incorporated, has ordered plans for the erection of a factory.

DETROIT, MICH.—Official advices are to the effect that plans are being prepared for additional factory buildings to be erected at the plant at Highland Park, of the Ford Motor Co., the buildings respectively to be 75 × 760 ft., 42 × 355 ft., and machinery shop, 260 × 640 ft. The factory buildings, four stories high, to be built of reinforced concrete, and preferably under some "flat-slab" system or combination tile and concrete. Plans are being prepared at the company's office, and will be ready for figures soon. Edward Gray, Engr., care of the Ford Motor Co., can be addressed for further particulars.

✚The Studebaker Corporation, Piquette Ave., Detroit, has awarded the general contract for a 3-story addition, 50 × 72 ft., to their plant, to H. R. HABERKORN, Ford Bldg.

Nettleton & Weaver, Archs., Penobscot Bldg., are preparing plans for a 2-story factory, 65 × 110 ft., for the Timpken Detroit Axle Co., 132 Clark Ave. The architects will soon receive estimates. Cost of building and equipment about $60,000.

DETROIT, MICH.—The Fisher Body Co., Piquette and St. Antoine Sts., is having plans prepared for a 3-story and basement factory, 51 × 112 ft. The owners will purchase all materials and let all contracts. Cost, $40,000.

✚Varney & Winter, Equity Bldg., have awarded the general contract for the garage, 40 × 190 ft., for George L. Sampson, 79 Palmer Ave., East, to FRED. ALBRECHT, 244 Napoleon St.

✚R. E. Raseman, Penobscot Bldg., has awarded the general contract for the 2-story and basement warehouse, 105 × 40 ft., for the Goebel Brewing Co., 351 Rivard St., to C. KELLER & CO., 657 Canfield Ave. East.

Donaldson & Meier, Archs., and Ammerman, McColl & Anderson, both in the Penobscot Bldg., are preparing plans for two buildings, four stories and basement, 247 × 161 ft., and 85 × 58 ft., for Park Davis & Co., Penobscot Bldg.; cost, $100,000.

CHICAGO, ILL.—W. J. Uffendell, Arch. for the International Harvester Co., has finished plans for a 6-story factory, 60 × 240 ft., to be erected in connection with the plant of the Deering division on Fullerton Ave. It will cost $125,000, according to reports.

Plans are being prepared for a 7-story factory to be erected on Erie St. Vernon W. Bethel, 25 North Dearborn St., is Arch. and A. Bower, Franklin and Huron Sts., the owner.

A 2-story $40,000 building to be occupied by the S. W. Kimball Co. as a carriage factory, will be erected on the property at the corner of 35th St. and Michigan Ave. Alex. Levy, 32 North Clark St., is Arch.

KAUKAUNA, WIS.—O'Keefe & Orbison, Archs. and Contractors, of Appleton, Wis., are preparing plans for the proposed sulphide process pulp mill to be erected by the Thilmany Pulp & Paper Co. at Kaukauna, this year, at a cost of $245,000. The architects have established an office in the Hayworth Bldg., Kaukauna.

✚MANITOWOC, WIS. — The Aluminum Goods Co., of Manitowoc, of which George Vits is Pres., has awarded the general contract, including excavating, equipment, painting, etc., for the construction of the addition to its plant to the MAJESTIC CONSTRUCTION CO., Merrill Bldg., Milwaukee. Approximate cost, $55,000. Noted May 18.

ST. LOUIS, MO.—Official advices are to the effect that bids will be received about July 1 by the McKinney Traction Cultivator Co., La Salle Bldg., St. Louis, for the construction of two 1-story fireproof brick and steel plants, about 75 × 200 ft. The construction is estimated to cost between $15,000 and $20,000 and equipment $20,000.

WELLSTON (St. Louis post-office), MO.—The Fulton Iron Works 1020 North Second St., St. Louis, has increased its capital stock from $250,000 to $400,000 for the purpose of erecting an extensive plant in the Wellston district, it is stated. It is expected that construction will soon be started.

FORT SMITH, ARK.—Bids will be received about June 15 by E. A. Strong, Arch., for the erection of a 3-story factory building for the Garden City Buggy Co. It will be 100 × 200 ft. and will cost about $20,000.

CALDWELL, TEX.—John M. Thornton and associates will install a modern creamery here.

CAMERON, TEX.—The Cameron Cotton Oil Co. has been organized here with a capital stock of $60,000. The incorporators are R. L. Batte, J. S. Batte and A. H. Baskin.

✚CUERO, TEX.—The Guadalupe Valley Cotton Mills has awarded a contract to the D. J. HAYES CO., of Houston, to erect an addition. The mill company will expend $50,-000 for buildings, machinery, etc. This new machinery will include 3,000 spindles, to increase the equipment to 8,000 spindles and 160 looms for manufacturing heavy sheetings and drills, etc.

HEIDENHEIMER, TEX.—The Farmers Gin Co. has been formed here with a capital stock of $25,000. The incorporators are: J. W. Mosley, J. B. Marshall, T. H. Heard and others.

SAN ANTONIO, TEX.—The Theodore Shade Air Brake Co. has been formed here for the purpose of erecting a factory for the manufacture of air brakes. W. E. Milligan is Pres.; L. L. Daniel, Vice-Pres., and A. P. Villaret, Secy.-Treas.

The Chamber of Commerce is negotiating for the establishment here of a cement brick plant to cost about $45,000 and which will have a capacity of about 40,000 bricks per day.

SAN BENITO, TEX.—The San Benito Canning Co. has been formed here with a capital stock of $20,000. The incorporators are S. A. Robertson, John T. Lomax and W. B. Hinkly. Its factory will can fruit and vegetables.

SAN SABA, TEX.—F. C. Henery, of San Saba, and associates, will erect a cotton compress here to cost about $20,000.

TIMPSON, TEX.—Thomas Bradford, of Pensacola, Fla., and W. C. Johnson, of Timpson, will install a well-equipped machine shop here.

✚MUSKOGEE, OKLA.—The Eagle Mfg. Co. of Kansas City, Mo., has completed plans for erecting an implement plant at Muskogee. It will be of reinforced concrete and steel, 100 × 140 ft. J. A. Whitlock, of Muskogee, is the Arch. and the McKEE CONSTRUCTION CO., the contractors. Total cost $35,000.

OAKESDALE, WASH.—Harvey & Regan, manufacturers of buggies and other vehicles plan to establish a factory here.

PORTLAND, ORE.—An extensive cement manufacturing plant is contemplated here. Aman Moore, Gen. Mgr. of the Portland Cement Co., is interested, according to press reports.

MONTREAL, QUE.—The Dominion Flour Mills, Ltd., has been organized with a capital of $1,500,000, and will build a 2,000-bbl mill on the Lachine canal.

✚HAMILTON, ONT.—Contracts for the paint shop for the Oliver Chilled Plow Co. have been let to CHRISTMAS & CO., of this city.

MISCELLANEOUS CONTRACTS.

U. S. RECLAMATION SERVICE.—All news concerning canal and Irrigation projects, etc., will be found under Water Supply—Irrigation.

•BREAKWATER. — Portland, Me.—Bids were opened on June 1 by Lt. Col. W. H. Craighill, Capt. Engrs., U. S. A., Portland, for the construction of a breakwater at Isles of Shoals Me., and N. H. The Breakwater Co., Philadelphia, Pa., submitted a bid of $2.75 per ton.

✚REPAIRING JETTIES.—Boston, Mass.—The following bids were received May 26 by the State Harbor and Land Commissioners for repairing three stone jetties at (a) East and (b) West Bay, (c) Cuttyhunk and (d) Osterville: William Sears, W. H. Connor and J. H. Connolly, (a) $2.95 per ton, (b) $2.95 per ton, (c) $2.69 per ton, (d) $2.50; E. S. BELDEN, Hartford, Conn., (a) $2.73, (b) $2.73, (c) $2.33, (d) $11 (awarded contract). Frank W. Hodgdon is Ch. Engr.

CABLE.—Boston, Mass.—Bids will be received until June 10 by the Fire Department for 18,000 ft. of 20-in. conductor cable, 4,350 ft. of 10-in., 4,275 ft. of 6-in., and 2,900 ft. of 4-in. Charles D. Daly is Fire Comr.

AQUARIUM.—Boston, Mass.—Bids will be received until June 22 by the Park Department for building an aquarium at City Point South Boston; also for refrigerating machinery and installation of heating and ventilating system for same. French & Hubbard, Albany Bldg., Boston, are Engrs., and William D. Austin is Arch., 50 Bromfield St., Boston.

ROCK EXCAVATION.—Boston, Mass.—Bids will be received until June 23 by Col. Frederic V. Abbot, Corps Engrs., U. S. A., Boston, for rock excavation in Gloucester Harbor, Mass. Incorrectly noted as June 28 last week. Specifications are on file at the office of Engineering News, New York.

•DREDGING.—New London, Conn.—Bids will be received until 3 p. m., July 7, by Capt. A. E. Waldron, Corps Engrs., U. S. A., New London, for dredging Saybrook Bar, Connecticut River, Conn.

✚SUBWAY.—Buffalo, N. Y.—The EASTERN CONCRETE STEEL CO., D. S. Morgan Bldg., Buffalo, has been awarded a contract by the City Grade Crossings Commission for the construction of a concrete subway under the tracks of the New York Central R. R. Belt Line and the Erie R. R. in Elmwood Ave.

✚•DREDGING.—Oswego, N. Y.—The contract has been awarded to the DULUTH MARINE CONTRACTING CO., of Duluth, Minn., for dredging in Ogdensburg Harbor, N. Y. Bids were opened on May 15 by Capt. W. L. Guthrie, Corps Engrs., U. S. A., Oswego. List of bidders noted on May 25.

BARGE CANAL.—Albany, N. Y.—The Governor, it is reported, has signed two bills providing for appropriations of $10,000,000 for Erie, Oswego and Champlain barge canal construction, and $2,000,000 for improving the Cayuga and Seneca Canal. John A. Bensel is State Engr.

PLAYGROUND EQUIPMENT.—New York, N. Y.—Bids will be received by Patrick Jones, Supt. School Supplies, Dept. of Education, until 3 p. m., June 14, for furnishing all required material, repairing, transferring and erecting gymnastic apparatus, kindergarten tents, awnings, frames, sand bins, large and small swing frames, portable houses, and all other material, included in the equipment of open-air playgrounds, in the Boroughs of

Manhattan, the Bronx and Brooklyn, and for taking down, removing, transferring and storing all gymnastic apparatus, kindergarten tents, awnings, frames, sand bins, large and small swing frames, portable houses and all other material included in equipment of open-air playgrounds, in the Boroughs of Manhattan, the Bronx and Brooklyn.

MAIL AND ASH LIFTS.—New York, N. Y.—Bids will be received until 3 p. m., June 15, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the installation of six hydraulic plunger mail lifts and one ash lift, with pumping equipment in the U. S. Court House and Post Office, New York.

DREDGING AND FILLING.—New York, N. Y.—Bids will be received by Alfred E. Steers, Pres. Boro. Brooklyn, until 11 a. m., June 14, for furnishing all the labor and materials required for dredging and filling at the Eighth Ward Market property, between 36th and 38th Sts., New York Bay, Boro. Brooklyn, City of New York. Estimated cost, $21,000.

REFRIGERATING MACHINERY.—New York, N. Y.—Bids will be received until 1.30 p. m., June 10, by M. Gray Zalinski, Q. M., U. S. A., Army Bldg., New York, for furnishing refrigerating machinery for an ice plant.

*AUBURN, N. Y.—See item under Streets and Roads.

DREDGING.—Trenton, N. J.—Bids were opened on May 31 by the State Waterways Commission for dredging 300,000 cu. yds. of earth and sand between Hereford and Townsend's Inlet in the coastal canal from Bay Head to Cape May, as follows: Hill Dredging Co., Atlantic City, 13 6-10 cts. per cu. yd., to be completed at the rate of 50,000 cu. yds. per month; Standard Engineering Co., New York, 12.35 cts., to be completed at the rate of 60,000 cu. yds. a month; Rickards Dredging Co., Philadelphia, 12 8-10 cts., to be completed at the rate of 40,000 cu. yds. per month.

DREDGING, DIKE REMOVAL.—Wilmington, Del.—Bids will be received until 11 a. m., June 29, by Maj. R. R. Raymond, Corps Engrs., U. S. A., Wilmington, for dredging and dike removal in Alloway Creek, N. J.

DREDGING.—Wilmington, Del.—Bids were received on May 22 by Maj. R. R. Raymond, Corps Engrs., U. S. A., Wilmington, for dredging in Leipsic River, Del.: Rickards Dredging Co., Philadelphia, 11.8 cts. per cu. yd.; River & Harbor Improvement Co., Philadelphia, 9.7 cts.; U. S. Drainage & Irrigation Co., New York, 11.9 cts. About 100,000 cu. yds. of material are to be removed.

TELEPHONE WIRE.—Washington, D. C.—Bids will be received until 2 p. m., June 9, by the U. S. Department of Agriculture, Washington, D. C., at the office of the Disbursing Clerk, for furnishing the Forest Service, about 385 miles of insulated, copper, telephone wire.

CABLE.—Washington, D. C.—Capt. A. S. Cowan, Disbursing Officer, Signal Corps, War Dept., Washington, will receive bids until June 17 for furnishing cable.

✚COAL CONVEYING APPARATUS.—Washington, D. C.—The contract for installing coal conveying apparatus for the central heating plant at Freedmans' Hospital and Howard University has been awarded to the JOHN W. DANFORTH CO., of Washington. List of bidders noted on June 1.

TORPEDO-BOAT DESTROYERS.—Washington, D. C.—Bids will be received until noon, Aug. 7, by the Navy Department, Washington, D. C., for constructing eight torpedo-boat destroyers, Nos. 40-53. Circular defining the chief characteristics of such vessels and plans and specifications may be had on application to the Department. Forms of proposal and contract may be had on application to the Department after July 1. Beekman Winthrop is Acting Secy.

SEWER BRICK.—Washington, D. C.—Bids were received on May 25 by the Commissioners of the District of Columbia for furnishing rectangular repressed vitrified sewer invert brick for the fiscal year ending June 30, as follows: (a) 400,000 rectangular repressed vitrified sewer invert brick, delivered at property yards; (b) 300,000 rectangular repressed vitrified sewer invert brick for the property yard: Allegheny Valley Brick Co., Tarentum, Pa., (a) $14.70 per M; (b) $14.70 per M; The Mack Mfg. Co., Philadelphia, Pa., (a) $14, (b) $14; the Baltimore Clay Products Co., Baltimore, Md., (a) $17, (b) $17; the Layton Fire Clay Co., McKeesport, Pa., (a) $15, (b) $15.

PORTLAND CEMENT.—Washington, D. C.—Bids were received on May 25 by the Commissioners of the District of Columbia, for furnishing Portland cement during the fiscal year ending June 30, 1912, as follows: (a) Item 1, 45,000 bbls. Portland cement f. o. b. 14th and D Sts. S. W., (b) alternate proposal, Item 1, 30,000 bbls. Portland cement f. o. b. 14th and D Sts. S. W.: Alpha Portland Cement Co., Easton, Pa., (a) Item 1, $1.61 per bbl., (b) Item 1, $1.61. The National Mortar Co., Washington, D. C., (a) $1.08, (b) $1.08. Security Cement Co., Baltimore, Md., (a) 98 cts., (b) 98 cts. The Atlas Portland Cement Co., New York, (a) $1.21, (b) $1.21. Columbia Granite & Dredging Co., Washington, D. C., (a) $1.70, (b) $1.70. The Rosslyn Supply Co., Rosslyn, Va., (a) $1.49, (b) $1.49.

FLOATING CRANES.—Washington, D. C.—Bids were received as follows on June 3 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for two floating cranes at the navy yard, Boston, Mass., and Pearl Harbor, H. T.: Bergen Point Iron Works, Bayonne, N. J., Item (1) $627,676, $618,230; (2) $288,250, $284,124; (3) $342,426, $337,100; (4) $620,776, $612,530; (5) $284,800, $281,274; (6) $338,976, $334,250. Cleveland Crane & Engineering Co., Wickliffe, Ohio, Item (1) $579,218; (2) $265,428; (3) $318,790; (4) $549,218; (5) $250,428; (6) $303,790. Wellman-Seaver-Morgan Co., Cleveland, Ohio, Item (1) $593,000; (2) $275,000; (3) $330,000; (4) $617,000; (5) $287,000; (6) $342,000. Neumeyer & Diamond, 82 Beaver St., New York, Item (1) $1,100,000; (2) $575,00; (3) $625,000; (4) $940,540; (5) $471,000; (6) $498,500; deduct $14,000 conditionally.

DREDGING.—Norfolk, Va.—Bids were opened as follows on June 1 by Lt.-Col. Mason M. Patrick, Corps Engrs., U. S. A., Norfolk, for dredging in the harbor here: Morris & Cumings Dredging Co., New York, 11 6/16 cts. per cu. yd.; P. Sanford Ross, Inc., Jersey City, N. J., 11 9/10 cts.; Norfolk Dredging Co., Norfolk, 11 4/10 cts.; Coastwise Dredging Co., Norfolk, 11 cts.; W. L. Randolph, Jr., Brooklyn, N. Y., 10⅘ cts.; Maryland Dredging & Contracting Co., Baltimore, Md., 11 4/10 cts.; Atlantic, Gulf & Pacific Co., New York, 12 6/10 cts.

REPAIRS TO SLIPS.—Norfolk, Va.—Bids were received as follows on June 3 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for repairs to slips for torpedo vessels, navy yard, Norfolk: Sanford & Brooks Co., 24 Commerce St., Baltimore, Md., Item (1) $8,382, (2) $16,734, (3) $25,116, (4) $33,555, (5) $41,965, (6) $50,312, (7) $62,679, (A) $28.60, (B) $10, (C) $26, (D) $5.50; John Monk, Seaboard Bank Bldg., Norfolk, Item (1) $6,684, (2) $13,367, (3) $20,051, (4) $26,734, (5) $33,418, (6) $40,101, (7) $50,006, (A) $25, (B) $11, (C) $23, (D) $8; Norfolk Foundation & Pile Co., Seaboard Bank Bldg., Norfolk, Item (1) $7,431, (2) $14,862, (3) $22,293, (4) $29,724, (5) $37,155, (6) $44,586, (7) $56,586, (A) $26, (B) $8, (C) $22, (D) $3.50. (A) Price per pile drawn and replaced with new pile; (B) price per pile drawn and re-driven elsewhere in dolphins, bollards or fenders; (C) price per new pile drawn in dolphins, bollards or fenders; (D) price per pile drawn and stored where directed with the balance of old material recovered from the piers.

*DREDGES.—Wilmington, N. C.—Bids will be received until noon, June 30, by Capt. Earl I. Brown, Corps Engrs., U. S. A., Wilmington, for constructing, complete, two wooded-hull, non-propelling, 15-in. hydraulic pipe-line dredges, Neuse and Port Arthur.

*DREDGING.—Savannah, Ga.—Bids will be received until noon, July 5, by Col. Dan C. Kingman, Corps Engrs., U. S. A., Savannah, for dredging in harbor at Brunswick, Ga.

✚DREDGING.—Jacksonville, Fla.—Bids were received as follows on May 22 by Capt. George R. Spalding, Corps Engrs., U. S. A., Jacksonville, for dredging in Caloosahatchee River and entrance, Fla.: Hillsboro Dredging Co., Tampa, Fla., $64,910; BOWERS SOUTHERN DREDGIN CO., Galveston, Tex., $47,752 (awarded contract); Home Dredging Co., Mobile, Ala., $58,510.

*DREDGING.—Mobile, Ala.—Bids will be received until 11 a. m., June 27, by Maj. C. A. F. Flagler, Corps Engrs., U. S. A., Mobile, for dredging in Mobile Harbor.

WALL.—Anniston, Ala.—Bids will be received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., June 28, for the construction of a wall on the premises of the U. S. post-office at Anniston.

*BULKHEAD.—Mobile, Ala.—Bids were received as follows on May 27 by Maj. C. A. F. Flagler, Corps Engrs., U. S. A., for constructing a bulkhead in Mobile Harbor: Henry Monk, Pensacola, Fla., $21,749; Charles G. Ollinger, Mobile, $18,110; H. L. McConnell, Mobile, $20,003; F. B. Castanera, Biloxi, Miss., $22,564; Eskald & Alexander, New Orleans, La., $19,460; J. W. Gilbert, $16,183.

*DREDGING.—Montgomery, Ala.—Bids will be received until 1 p. m., July 6, by Lt.-Col. G. D. Fitch, Corps Engrs., U. S. A., Montgomery, for dredging at the mouth of Apalachicola River, Fla.

STONE, ETC.—Vicksburg, Miss.—Bids will be received until noon, June 29 by the Mississippi River Commission, Third District, Vicksburg, for furnishing about 30,000 cu. yds. of stone and about 36,000 cords of willow brush and poles for bank revetment work. Capt. J. A. Woodruff, Corps Engrs., U. S. A., Vicksburg, may be addressed.

DEMOLISHING AND REMOVING BUILDING.—New Orleans, La.—Bids will be received by the Orleans Levee Board until June 15 for demolishing and removing the reinforced concrete mill building of the H. T. Lawler Milling & Trading Co., Ltd. J. C. Koenig is Pres. Bd.

LEVEE WORK.—New Orleans, La.—Bids will be received by the Board of State Engineers, New Orleans Court Bldg., New Orleans, until noon June 14 for the construction of Jeter Levee, Bossier Parish, Red River, left bank, length 3,760 ft., 48,500 cu. yds., and south bank Loggy Bayou Levee, Red River Parish, 35,000 cu. yds.

CEMENT.—New Orleans, La.—Bids were received as follows on May 24 by Lt. Col. Lansing H. Beach, Corps Engrs., U. S. A., New Orleans, for furnishing about 7,250 bbls. of Portland cement, 3,200 cu. yds. of sand, and 6,400 cu. yds. of gravel, to be used in the construction of Keystone Lock: Cement: Fritz Jahncke Inc., $2.13 per bbl. at the lock; Allen Tupper, $2.40 at the lock; J. J. Clarke Co., $1.85 in New Orleans; the Salmen Brick & Lumber Co., $1.76 in the city; Carolina Portland Cement Co., $2.05 at the lock, and $1.63 in New Orleans. Sand and gravel: J. W. Thompson, $2.15 per cu. yd. for sand in the city and $2.54 at the lock; $2.42 per cu. ft. for gravel at St. Martinville and $2.84 at the lock; Avery Planting & Improvement Co., $1.60 for sand and $1.80 for gravel at St. Martinville; Southern Gravel & Material Co., $2.84 for sand and $3.23 for gravel at St. Martinville.

CONCRETE STEPS.—Cincinnati, Ohio.—Bids will be received by John J. Wenner, Clk. Dir. Pub. Serv., until noon, June 12, for improving Peerless St., from Glenway to Warsaw Aves., by constructing concrete steps and all necessary appurtenances. Plans, specifications and blank proposals can be obtained at the office of the Chief Engineer, Dept. Pub. Ser.

STONE CRUSHING PLANT.—Columbus, Ohio.—Bids will be received until June 26 by the Board of Managers of the Ohio Penitentiary for the equipment for a stone crushing plant and quarry. Marriott, Allen & Hall are Archs. 20 East Broad St., Columbus. The Osborn Engineering Co. is Engr., Osborn Bldg., Cleveland, Ohio.

WAGON SHEDS.—Columbus, Ohio.—The Director of Public Service has decided to readvertise for bids for the construction of wagon sheds for the Garbage Department. Bids were opened on May 23. List of bidders noted on June 1.

FIRE STATION.—Cleveland, Ohio.—Bids will be received until noon, June 12, by F. G. Hogan, Dir. Pub. Safety, for the labor and materials for the construction of a fire-engine station.

ENGINES AND HOSE WAGONS.—Chicago, Ill.—Bids will be received until 11 a. m., June 12, by Charles F. Seyferlich, Fire Marshal, City Hall, for furnishing about ten motor-driven combination chemical engines and hose wagons, as per specifications on file in the office, furnished complete and delivered at the Fire Department repair-shops within 90 days from date of contract.

DITCHES.—Madison, Wis.—Bids will be received by Dan Devine, Secy. Albion Drainage District, until 3 p. m., June 21, at 31 Vroman Bldg., Madison, for the excavation of 19,230 ft. of ditches, 6-ft. bottom width, 5.35 ft. average depth; 9,915 ft. of ditches, 4-ft. bottom width, 4 to 5 ft. deep, and 34,930 ft. of lateral ditches, bottom width 2 ft.; average depth 4 ft. The work is suitable for trenching machine, drainage excavator or drag-line dredge. W. G. Kirchoffer is Engr., 31 Vroman Bldg., Madison.

DRAINS.—Estherville, Iowa.—Bids will be received by Charles A. Root, County Audr., it is stated, until June 14, for the construction of county drain No. 48, about 30,560 ft. of 5 to 24-in. tile, and county drain No. 62, about 16,425 ft. of 6 to 26-in. tile.

*DRAINAGE EXCAVATION.—Clarinda, Iowa.—Bids will be received until 3 p. m., June 14, by the Board of Supervisors of Page County, Clarinda, for the construction of a new channel for the Nodaway River in Drainage District No. 9, Page County. For details see advertisement in this issue.

IMPROVING RIVER FRONT.—Davenport, Iowa.—The city, it is reported, will spend about $250,000 during the next few years in improving its river front. W. D. Peterson, Rudolph B. Clausen and William H. Kimball have been appointed by the Mayor as a River Front Improvement Commission, which, with the Mayor and A. M. Compton, Comr. Pub. Wks., will have charge of the improvements.

DITCHES.—Lincoln, Neb.—Bids have been received as follows by the Directors of Gap Creek Drainage District and the Board of Trustees of Sanitary District No. 1, for the construction of two large ditches: (a) Oak Creek District bids, about 160,000 cu. yds.: (b) Sanitary District bids, about 100,000 cu. yds.: C. T. Boggs, Lincoln, (a) 16 cts., (b) 14 cts.; R. S. Morrow, (a) 10.4 cts., (b) 10.4 cts.; C. D. Campbell, Lincoln, (a) 12.5 cts., (b) 12.5 cts.; Pollard-Campbell Dredging Co., Omaha, Neb., (a) 16.5 cts., (b) 12 cts.

LEVEE.—St. Charles, Mo.—The St. Charles County Court, St. Charles, has appointed a commission composed of James S. Frye, Bernard, Mennemier and John Schallenberg to examine conditions and make a report concerning the West Alton Drainage District. It is proposed to construct a levee that will protect 3,000 acres of farming land from overflows from the Mississippi River.

✚BOILERS.—St. Louis, Mo.—The Board of Public Improvements has awarded the contract to the TOLEDO-FLANNER CO., Toledo, Ohio, for boilers for heating the new City Hall, the Municipal Courts building and the jail at $26,000. The boilers will also furnish power for the lighting plant for the buildings.

*REVETMENT.—Kansas City, Mo.—Bids will be received until noon, July 3, by Maj. Edward H. Schulz, Corps Engrs., U. S. A., Kansas City, for constructing standard revetment on the Missouri River, aboue 18 miles below Kansas City.

DRAINAGE.—Little Rock, Ark.—Surveys are being made by Lund & Hill of Little Rock, for the construction of a drainage system in the Fourcha Drainage District.

✚DREDGING.—Galveston, Tex.—The contract, it is reported, has been awarded by Maj. G. P. Howell, Corps Engrs., U. S. A., Galveston, to the ATLANTIC, GULF & PACIFIC CO., for continuing the dredging of the Texas City channel, at $27,960.

BATH HOUSE.—San Antonio, Tex.—H. J. Benson and associates have awarded a contract to GORDON-JONES CO. for constructing a bathhouse at Harlandale. Estimated cost, $50,000.

*JETTY WORK.—Dallas, Tex.—Bids will be received until noon, July 5, by Capt. T. H. Jackson, Corps Engrs., U. S. A., Dallas, for jetty work at Sabine Pass, Tex.

DREDGING.—Galveston, Tex.—Bids were received as follows on May 25 by Maj. G. P. Howell, Corps Engrs., U. S. A., Galveston, for dredging the mouth of Brazos River, Tex., 291,000 cu. yds.: Bowers Southern Dredging Co., 15 cts. per cu. yd.; total, $43,650. Home Dredging Co., Mobile, Ala., 17.9 cts.; $52,089.

EXTENSION OF DIKES.—Vallejo, Cal.—Bids were received as follows on June 3 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the extension of dikes, navy yard, Mare Island, Vallejo, Cal.: San Francisco Bridge Co., 865 Monadnock Bldg., San Francisco, Cal., Item (1) $169,700, (2) $131,000, (3) $33, (4) 35 cts.; Mervy-Elwell Co., Oakland, Cal., Item (1) $185,640, (2) $142,800, (3) $35.70, (4) 25 cts.; Cotton Bros. & Co., 241 Bacon Bldg., Oakland, Item (1) $191,900, (2) $150,000, (3) $45, (4) 50 cts.; Hyde Harjes & Co., Inc., 1 Drumm St., San Francisco, Item (1) $183,227, (2) $140,000, (3) $35, (4) 30 cts.; Mercer Fraser Co., 16 California St., San Francisco, Item (1) $180,180, (2) $138,600, (3) $34.65, (4) 45 cts.; Healey Tibbitts Construction Co., 9 Main St., San Francisco, Item (1) $178,000, (2) $140,000, (3) $35, (4) 46 cts.; American Construction Co., 359 Monadnock Bldg., San Francisco, Item (1) $191,750 [illegible] $149,750 [illegible] (3) $37.50, (4) 45 cts.; Thom[illegible] Bridge Co., 103 Main St., San Francisco, [illegible] $165,521, (2) $131,000, (3) $32.7[illegible] 40 cts.; Grant Fee, 682 Monadnock B[illegible] San Francisco, Item (1) $222,000, (2[illegible] (3) $40, (4) 47 cts.

WIRE.—Los Angeles, Ca[illegible] were opened by the U. S. Recla[illegible] Service, Los Angeles, on May 27 as [illegible] for (a) Item 1, 43,000 lbs. of No. 3 B[illegible] wire hard-drawn copper strand; [illegible] lbs. No. 6 B. & S. soft cop[illegible] Item 3, 33,000 lbs. No. 3 B[illegible] wire hard-drawn copper strand; [illegible] lbs. No. 6 B. & S., soft copper [illegible] Standard Underground Cable Co., [illegible] Cal., (a) 14.25 cts. per lb.; [illegible] per lb.; American Steel & Wire Co., [illegible] Angeles, Cal., (a) 14.75 cts. per [illegible] 14.25 cts. per lb.; John A. Roebling's Sons Co., Trenton, N. J., (a) 14.75 cts. [illegible] 14.25 cts. per lb., (c) 14.75 cts. [illegible] 14.25 cts. per lb.

✚WALK AND BULKHEAD.—[illegible] Cal.—The contract has been aw[illegible] W. YOUNG, of Los Angeles, it [illegible] reported, for constructing a seaside walk [illegible] bulkhead at $96,000.

DREDGING.—Los Angeles, Cal.—Bids will be received until 11 a. m., [illegible] 28, by Lieut. Charles T. Leeds, Corps E[illegible] U. S. A., Los Angeles, for dredging [illegible] Los Angeles Harbor. Specifications are on file at the office of Engineering News, New York.

STEEL AND RIVETS.—Los A[illegible] Cal.—Bids were returned unopened [illegible] May 26 by the Board of Public Works for [illegible] furnishing all fabricated steel and rivets n[illegible]ary to construct steel siphons. New bids were requested. Horace B. Ferris is Se[illegible].

ASPHALT PLANT.—Los Ange[illegible] Cal.—The Santa Maria Oilfields of Cal[illegible], H. W. Hillman, Bldg., Los Angeles, is reported, will establish an asphalt plant in Santa Maria County three miles [illegible] Sisquoc. The plant will cost $200,[illegible] The company will build a railway line [illegible] Sisquoc to the plant, at a cost of $[illegible]

✚CONCRETE WHARF.—Watsonville, Cal.—A contract for constructing a concrete wharf at Port Watsonville to extend 1,780 ft. into the water has been let, it is reported, by the Watsonville Ry. & Navigation Co. to the MARINE CONCRETE CONSTRUCTION CO., of San Francisco, Cal., at about $50,000.

SUBWAY.—Fort William, Ont.—Bids will be received until 5 p. m., June 30, by the city, addressed to the Chairman of the Utilities Committee, for the construction of a reinforced concrete subway. Plans, specifications and forms of proposal may be obtained at the office of John Wilson, City Engr.

SUBWAY.—Saskatoon, Sask.—Bids will be received until noon, June 15, by the City Commissioners for the substructure of the 19th St. Subway. For further information address M. H. McLeod, Ch. Engr., Canadian Northern Ry., Winnipeg, Man., or George T. Clark, City Engr.

SEAWALL.—Toronto, Ont.—The Board of Control has awarded to FRY & THOROLD the contract for the construction of a sea wall in front of the Exhibition Grounds at $16.80 per lin. ft., or about $25,000.

HARBOR IMPROVEMEMENT.—Halifax, N. S.—Bids, it is reported, will be asked soon by the Department of Railways and Canals, Ottawa, Ont., for harbor terminal improvements here. The plans provide for the construction of four new piers, each 800 ft. long and 235 ft. wide. Estimated cost about $2,000,000. L. K. Jones is Secy., Ottawa.

For other Proposal Advertisements see pages

49, 50, 52

of Advertisements and Construction News, page 280

MACADAMIZING.

Plainfield, N. J.

Sealed proposals will be received at the Common Council Chamber on Monday, June 26, 1911, at 8 P. M. for about 40,000 square yards of plain and bituminous macadam. Certified check required, $200. Bond for entire work, $15,000; proportional amount for one or more streets.

Duplicate profiles may be examined and forms of proposal, specifications contract and bond may be obtained at the office of the Street Commissioner, 151 North Avenue, Plainfield, N. J.

The right to reject any or all bids is expressly reserved by the Common Council.

JAMES T. MACMURRAY,
City Clerk.

Dated June 5, 1911.

U. S. ENGINEER OFFICE, Wilmington, N. C., June 1, 1911.—Sealed proposals for constructing, complete, the two (2) wooden hull, non-propelling, 15" Hydraulic Pipe Line Dredges "Neuse" and "Port Arthur" will be received at this office until noon, June 30, 1911, and then publicly opened. Information on application. EARL I. BROWN, Capt. Engrs.

OFFICE OF THE CONSTRUCTING QUARTERMASTER, New London, Conn., June 5, 1911.—Sealed proposals for the construction, complete, at Fort Terry, N. Y., of a four-set Firemen's Quarters, will be received here until 11 a. m., June 27, 1911. Deposit of certified check for $1000 required to insure safe return of plans loaned. Apply to CAPTAIN F. T. ARNOLD, Constructing Quartermaster, New London, Conn.

SEWERS AND APPURTENANCES.

Hempstead, N. Y.

Sealed proposals will be received by the Board of Trustees of the incorporated Village of Hempstead, in the County of Nassau and State of New York, for construction of Sewers and their appurtenances for the Village of Hempstead, the outfall sewer, pumping plants and appurtenances and Sewage Disposal Plant and appurtenances.

The Engineer's estimate of the work to be done is approximately as follows:

96,8[illegible] Cub. Yds. Excavation 0' to 8'
18,5[illegible] " " " 8' to 14'
20[illegible] " " " 14' and over.
86,6[illegible] linear feet 8" vitrified pipe.
16,7[illegible] " " 10" " "
10,7[illegible] " " 12" " "
7[illegible] " " 15" " "
1,5[illegible] " " 18" " "
7,6[illegible] " " 20" " "
[illegible] " " 8" Cast Iron pipe.
[illegible] " " 10" " " "
1,8[illegible] " " 12" " " "
[illegible] " " 18" " " "
3,0[illegible] vertical feet Concrete Manholes.
1[illegible] Flush Tanks.
4[illegible] Manhole Covers.
18,0[illegible] linear feet 6" vitrified pipe for house service.
12,5[illegible] Cub. Yds. Excavation for house service.
2 Pumping Plants and appurtenances.
1 Disposal Plant and appurtenances.

Bids must be addressed to Marcus O. Hedges, Clerk of the Village of Hempstead, Hempstead, Nassau County, N. Y., and be enclosed in a sealed envelope, with no written or printed matter thereon, other than the above address and the endorsements, "Bids for Constructing Sewers and Their Appurtenances for the Village of Hempstead."

Each bid must be accompanied by a certified check in the sum of $10,000, made out to the order of Edward Cooper, Treasurer of the Village of Hempstead.

All checks accompanying said bids may be retained by said Village of Hempstead until an award of said contract is made, when the checks of the unsuccessful bidders will be returned.

Bids must be based on the Plans and Specifications prepared by Cyril E. Marshall, Civil Engineer, and now on file in the office of the Clerk of the Village of Hempstead.

Intending bidders may obtain a copy of said plans and specifications on application to the said Cyril E. Marshall, Hempstead, N. Y., upon deposit of $25, which amount will be returned upon the return of the plans and specifications in his office in good condition.

Bids must be in the hands of the Clerk of the Village of Hempstead on or before 12 o'clock in the noon on the 27th day of June, 1911, and the bids submitted will be opened at 8 o'clock in the evening of that day.

The successful bidder will be called upon to execute the Contract as aforesaid, together with Surety Company Bonds in the amount of $50,000, approved by the Village of Hempstead within five days' notice given him that his bid has been accepted by the said Village of Hempstead, and in the event of his failure to do so within five days, the deposit of $10,000 dollars made by said bidder shall be declared forfeited to the said Village of Hempstead, not as a fine or penalty, but as liquidated damages incurred by said Village of Hempstead by reason of the failure of said bidder to abide by his bid.

The Board of Trustees may accept or reject any proposals, may contract with other than the lowest bidder, or may reject all proposals and advertise again.

Dated June 9th, 1911.

MARCUS O. HEDGES, Clerk.

By order of the Board of Trustees of the Village of Hempstead.

OFFICE COMMISSIONERS DISTRICT OF COLUMBIA, Washington, June 6, 1911.—Sealed proposals will be received at this office until 2 o'clock p. m., on June 23, 1911, for laying gutters and bituminous macadam pavement and setting curb on various streets in the District of Columbia. Forms of proposal, specifications and necessary information may be obtained from the Chief Clerk, Engineer Department, Room 427, District Building, Washington, D. C. CUNO H. RUDOLPH, JOHN A. JOHNSTON, WILLIAM V. JUDSON, Commissioners, D. C.

WATER PIPE.

Hammond, Ind.

BID NO. 1, PIPES AND FITTINGS.

The Board of Public Works of the City of Hammond, Indiana, will receive bids on Wednesday, June 21st, 1911, at 10 a. m., for the furnishing of 6,400 feet of 36 inch Standard Cast Iron Water Pipe weighing 5,850 pounds per 12 ft. length, and for furnishing of 4,950 feet of 16 inch Standard Cast Iron Water Pipe weighing 1,600 pounds per 12 foot length, and the following valves and fittings F. O. B. Hammond, Indiana.

1—24 to 16 A. P. Smith Valve and fittings.
1—36 to 12 Tee.
5—36 inch geared valve with 4 inch by pass and valve.
3—36 to 8 inch Tees.
1—36 to 16 inch Tee.
3—36 to 8 inch Crosses.
13—16 to 8 inch Crosses.
2—16 inch valves.
37—8 inch valves.
2—16 to 8 Tees.

LAYING AND FURNISHING.
Bid No. 2.

For the furnishing and laying of 6,400 feet of 36 in. Standard Cast Iron Water Pipe weighing 5,850 pounds per 12 foot length, and the furnishing and laying of 4,950 feet of 16 inch Standard Cast Iron Water Pipe weighing 1,600 pounds per 12 foot length, and for the setting and furnishing of all necessary fittings and valves in accordance with Plans and Specifications now on file in the City Civil Engineer's office in the city of Hammond, Indiana.

FOR LAYING ONLY.
Bid No. 3.

For the laying of 6,400 feet of 36 inch Standard Cast Iron Water Pipe and for the laying of 4,950 feet of 16 inch Standard Cast Iron Water Pipe, and for the setting of all necessary fittings and valves in accordance with Plans and Specifications now on file in the City Civil Engineer's office in the City of Hammond, Indiana, and a certified check of 2½ per cent. of cost of said bids must accompany each and every bid, and the Board of Public Works of said City of Hammond, Indiana, reserves the right to reject any and all bids.

ADAM R. EBERT,
JOHN L. ROHDE,
THOMAS SWANTON,
Board of Public Works.

BUILDING.

Sonyea, N. Y.

Sealed proposals for construction, including heating, plumbing and electric work for a dormitory building in the West Group at the Craig Colony for Epileptics, Sonyea, N. Y., will be received by Percy L. Lang, President of the Board of Managers, Craig Colony, Sonyea, N. Y., until two o'clock p. m., on July 11, 1911, when they will be opened and read publicly.

Proposals shall be accompanied by certified check in the sum of $2,000, and the contractor to whom the award is made will be required to furnish surety company bond in the sum of $20,000 within thirty days after official notice of award of contract and in accordance with the terms of Specification No. 1439. The right is reserved to reject any or all bids.

Drawings and specifications may be consulted and blank forms of proposal obtained at Craig Colony for Epileptics, Sonyea, N. Y., and at the office of the State Architect. Complete sets of plans and specifications will be furnished to prospective bidders upon reasonable notice to and in the discretion of the State Architect, Franklin B. Ware, Albany, N. Y.

DEPARTMENT OF THE INTERIOR, June 2, 1911.—Sealed proposals (in triplicate) will be received at the Department until 2 o'clock p. m., Tuesday, June 20, 1911, for the construction of a Home for Nurses at Freedman's Hospital, Washington, D. C., in accordance with drawings and specifications, copies of which, with form of proposal, may be had on application to the Department. A certified check for $10 will be required as a guaranty for the safe return of the plans loaned. The right is reserved to reject any or all bids, waive technical defects, and accept one part and reject the other as the interests of the Government may require. Proposals must be securely enveloped, marked "Proposals for Nurses' Home, Freedman's Hospital," and be addressed to the Secretary of the Interior, Washington, D. C. CARMI A. THOMPSON, Assistant Secretary.

SEWER SYSTEM.

Madison, S. Dak.

Sealed sewer proposals will be received by the City Council of the city of Madison, South Dakota, at the office of William Rae, City Auditor, up to July 6, 1911, at 8 o'clock p. m., for the furnishing of material and the constructing and laying a public sewer system on and through the streets and avenues of said city.

Said sewer to be laid and constructed of the materials and in the manner specified in the detailed plans and specifications, copies of which can be procured from said Auditor by depositing with him $15 for the same, on or after June 15, which sum will be returned upon return of the plans and specifications.

All such bids must be filed as aforesaid in sealed envelopes, marked "Sewer Proposals," and each proposal must be accompanied by a certified check for $1,000 as evidence of good faith. Pay in cash as work progresses. The successful bidder will be required to furnish a bond for fifty per cent. of the contract price for the faithful performance of the contract.

All proposals will be opened and acted upon by the City Council July 6, 1911, at 8 p. m.

The Council reserves the right to reject any and all bids.

The following is approximately the amount of material to be furnished by the contractor:

3,390 lin. ft. 6-inch vitrified pipe.
11,520 lin. ft. 8-inch vitrified pipe.
3,325 lin. ft. 10-inch vitrified pipe.
6,060 lin. ft. 12-inch vitrified pipe.
2,700 lin. ft. 15-inch vitrified pipe.
3,000 lin. ft. 18-inch vitrified pipe.
1,500 lin. ft. 18-inch vitrified pipe, double strength, together with necessary Y branches.
300 lin. ft. 16-inch c.-i. pipe.
80 manholes; average depth, 9 ft.; c.-i. covers, 5 flush tanks.
Minimum depth, 0 ft.; maximum depth, 20 ft.

Dated, Madison, So. Dak., June 1, 1911.

GEORGE H. WASKEY,
Mayor.

WILLIAM RAE, City Auditor.

WATER PIPE, ETC.

WATER DEPARTMENT.

Newark, N. J., June 6, 1911.

Sealed proposals will be received between 3:15 and 3:30 o'clock p. m., and opened at the last-named hour on Thursday, June 15th, 1911, at a public meeting of the Board of Street and Water Commissioners, City Hall, Newark, N. J., for the following coated cast-iron water pipe and special castings:

689 short tons (2,000 lbs.) from 6 to 10 inches.
492 short tons (2,000 lbs.) of 12-inch.
150,000 lbs. of ordinary specials from 4 to 12 inches in diameter.

All f. o. b. cars Newark, N. J., according to specifications which will be furnished upon application at the office of the Engineer and Superintendent of the Department of Water, of the Board of Street and Water Commissioners of the City of Newark, N. J., City Hall Annex.

Proposals must be accompanied by the consent in writing of two sureties (resident of Essex County, N. J.), or surety company authorized to do business in New Jersey, who qualify as to their responsibility in the amount of the proposal, and agree to become sureties for the faithful performance of the contract, if awarded.

By direction of the Board.

MORRIS R. SHERRERD,
Chief Engineer.

U. S. ENGINEER OFFICE, New London, Conn., June 7, 1911.—Sealed proposals for dredging Saybrook Bar, Connecticut River, Conn., will be received here until 3:00 p. m., July 7, 1911, and then publicly opened. Information on application. A. E. WALDRON, Captain, Engineers.

U. S. ENGINEER OFFICE, Kansas City, Mo., June 3, 1911.—Sealed proposals for constructing standard revetment on Missouri River, about eighteen miles below Kansas City, Mo., will be received here until 12 noon, July 3, 1911, and then publicly opened. Information on application. EDWARD H. SCHULZ, Major, Engrs.

WAR DEPARTMENT, U. S. Engineer Office, Montgomery, Ala., June 6, 1911.—Sealed proposals for dredging at mouth of Apalachicola River, Florida, will be received at this office until one o'clock p. m., July 6, 1911, and then publicly opened. Information on application. G. D. FITCH, Lt.-Col., Engrs.

CONDUITS.

OFFICE OF THE SEWERAGE COMMISSION OF THE CITY OF BALTIMORE.

Sealed proposals, endorsed "Proposal for Constructing Jones Falls Conduits, Section No. 1, Storm Water Contract No. 14," addressed to the Board of Awards of Baltimore City, will be received at the office of the City Register, City Hall, Baltimore, Md., until 11 a. m., Wednesday, June 28th, 1911, for constructing Jones Falls Conduits, Section No. 1, Storm Water Contract No. 14, as shown on plans on file in the office of Mr. Calvin W. Hendrick, Chief Engineer of the Sewerage Commission.

Specifications and plans can be obtained upon application at the office of the Sewerage Commission, Room 904, American Building, Baltimore, Md., on and after June 2d, 1911. A charge of $15.00 will be made for each specification and blue prints. This charge will be refunded upon the return, on or before June 28th, 1911, of the unused specifications and plans in good condition, or upon the return of the plans in case a bid is submitted.

A certified check of the bidder, for the sum of $18,000, on a clearing-house bank, made payable to the order of the Mayor and City Council of Baltimore, will be required to be deposited with each bid.

APPROXIMATE QUANTITIES.

28,000 cubic yards earth excavation.
900 cubic yards rock excavation.
40,000 cubic yards concrete masonry.
750 cubic yards brick masonry.
4,000,000 pounds reinforcing steel.
12,000 sq. yards granolithic resurfacing.
140,000 lin. ft. piles.
2,000 M. ft. B. M., lumber in foundation.
50 tons cast-iron pipe and specials.
900 lin. ft. vitrified sewer pipe, 6" to 30" in size.
40 tons structural steel.

The successful bidder on this contract will be required to give bond and comply with the City Charter respecting contracts.

The Board of Awards reserves the right to reject any and all bids.

By order of the Sewerage Commission.

CHARLES ENGLAND,
Chairman.

HARRY W. RODGERS,
Secretary.

Approved:
JAMES H. PRESTON, Mayor,
President Board of Awards.

WATER INTAKE AND INLET TOWER.

SPECIAL BOND ISSUE OF 1911.

WATER DEPARTMENT,

MUSKOGEE, OKLAHOMA.

Sealed proposals will be received by the City Council of the City of Muskogee, Oklahoma, until Tuesday, June 27, 1911, at 10 o'clock a. m., and opened immediately thereafter, for the construction of a Water Intake and Inlet Tower. All bids must be filed with Chas. Wheeler, Jr., City Clerk.

The Water Works Intake is a 54" submerged concrete pipe line, 2,600' long, to be laid across the Arkansas River and up to the bed of the Grand River.

The Intake Tower is a concrete structure built at the upper end of the intake.

Proposals for this contract shall be accompanied by a certified check for $5,000, made payable to the City of Muskogee, Oklahoma, without condition.

Plans and specifications can be seen and secured at the office of the City Engineer, Muskogee, Oklahoma, or at the office of the Consulting Engineer, 114 Liberty Street, New York City, after June 10, 1911, upon payment of two and one-half dollars ($2.50).

The right is reserved to reject any or all bids or to accept that one which, in the judgment of the City Council, is for the best interest of the City.

By order of the City Council.

E. H. FLEMING,
Commissioner of
Water, Sewer and Lights.

ALEXANDER POTTER,
Consulting Engineer.

T. P. CLONTS,
City Engineer.

PIPE, MANHOLES, ETC.

Attleborough, Mass., June 8, 1911.

Sealed proposals will be received at the office of the Committee on Sewerage, Attleborough, Massachusetts, until 3 p. m., of Wednesday, June 21, 1911, for laying cast-iron and vitrified pipe, building brick manholes and other appurtenances, and at that place and time will be publicly opened and read.

Plans will be on file and Specifications and Form of Proposal may be obtained at the office of the Committee on Sewerage; also at the office of the Engineer, South Framingham, Massachusetts.

All proposals must be made on the blank forms furnished by the Committee, and must give the price proposed both in words and figures, be signed by the bidder with full name and business address and endorsed "Proposal for Constructing Trunk Sewers."

The work will be divided into two sections, Numbers 3 and 4, and proposals for building each section must be accompanied by a certified check for twelve hundred dollars ($1200.00) payable to the Treasurer of the Town of Attleborough. This check must not be enclosed in the sealed envelope containing the proposal, but delivered to the Chairman of the Committee on Sewerage, who will give a proper voucher for the deposit.

The deposits of unsuccessful bidders will be returned as soon as the contracts are signed.

Security for the faithful performance of the contract under the specifications will be required in a sum not less than 20 per cent. of the amount of the contract. This must be in the form of a bond of some surety company satisfactory to the said Committee.

The party to whom this contract is awarded will be required to be present at the office of the Committee with the bond duly executed within six days (Sunday excepted) after the date of mailing to him a notice from the Committee of the acceptance of his proposal, and there sign the contract in duplicate for doing the work.

In case of failure so to do the bidder will be considered as having abandoned the contract, and the certified check accompanying his proposal shall be forfeited to the Town of Attleborough.

The approximate quantities of work to be done are as follows—main items:

Laying 396 lineal feet of 30-inch cast-iron pipe.

Laying 4,970 lineal feet of 24-inch cast-iron pipe.

Laying 11,636 lineal feet of 20-inch cast-iron pipe.

Laying 1,530 lineal feet of 18-inch cast-iron pipe.

Laying 620 lineal feet of 16-inch cast-iron pipe.

Laying 1,485 lineal feet of 12-inch cast-iron pipe.

Laying 730 lineal feet of 10-inch cast-iron pipe.

Laying 2,180 lineal feet of 8-inch cast-iron pipe.

Laying 1,485 lineal feet of 20-inch vitrified pipe.

Building 106 brick manholes.

It is the purpose of this Committee not to award this contract to any bidder who does not furnish evidence satisfactory to the Committee that he has ability and experience in this class of work, and that he has sufficient capital and plant to enable him to prosecute the same successfully and to complete it within the time named in the contract.

The Committee reserves the right to reject any and all bids that may be offered, and to accept any bid that may be offered.

CHARLES S. HOLDEN, M. D.,
Chairman.

J. J. VAN VALKENBURGH,
Engineer.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 3, 1911.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 15th day of July, 1911, and then opened, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring and lighting fixtures) of the U. S. Post Office at Cordele, Georgia, in accordance with drawings and specification, copies of which may be obtained from the custodian of site at Cordele, Ga., or at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

SUBWAY AND BRICK PAVING.

Auburn, N. Y.

Sealed proposals will be received by Hon. Thomas H. O'Neill, Mayor, up to 8 o'clock P. M., June 20, 1911, for the construction of subways and a vitrified brick pavement in State Street from Seymour Street to the north line of No. 253 State Street. For the work bid upon a certified check for $1,000, or a bond for 50% of the contract is required of all bidders. Plans and specifications may be seen and examined at the office of the City Engineer or copies will be sent by said City Engineer upon the receipt of ten dollars, such amount to be returned upon the return of the plans, etc. Further information regarding the work can be obtained upon application to Elbert C. Aldrich, City Engineer. The approximate quantities of the work are as follows:

Subway—25,200 duct ft. 12-way tile, 5,400 duct ft. 6-way tile, 6,000 lin. ft. straight iron pipe, 9 double and 1 single manholes.

Paving—8,430 sq. yds. vitrified brick, 4,260 lin. ft. medina sandstone curbing, 576 lin. ft. curved curbing, 304 lin. ft. headers, 16 storm water inlets.

The Common Council reserves the right to reject any or all proposals.

J. S. HANLON, City Clerk.

WATER MAIN.

Frankfort, Ky.

Sealed proposals for laying a line of water main from Stiltz Lane and Workhouse Road to Lakeland, addressed to the President of the Kentucky State Board of Control for Charitable Institutions, and endorsed "Proposal for Pipe Line to Lakeland," will be received at the office of the Louisville Water Company, 435 Third Street, Louisville, Ky., until 11 o'clock a. m., Tuesday, June 27, 1911, and will be publicly opened and read at that time.

Each proposal must be accompanied by a certified check for one thousand dollars ($1,000), drawn payable to the Kentucky State Board of Control for Charitable Institutions, to be forfeited to said Board as liquidated damages in case of failure on the part of the bidder to enter into a contract for the execution of the work, and furnish satisfactory surety bond as hereinafter stipulated. The checks will be returned to the successful bidder as soon as the contract is executed, and to the unsuccessful bidders after the award is made.

A bond to the amount of fifty per cent. of the contract will be required as a guarantee for the faithful performance of the work.

The work for which proposals are invited will consist of furnishing and laying 40,000 feet of cast-iron bell spigot pipe, eight inches (8) in diameter, or as an alternative,

7,360 feet of sixteen (16) inch pipe.
21,680 feet of twelve (12) inch pipe.
10,960 feet of eight (8) inch pipe.

The right is reserved to reject any or all bids.

Plans and specifications, and forms of proposals and contracts, may be obtained at the office of the Louisville Water Company, 435 Third Street, Louisville, Ky., or at the office of the Kentucky State Board of Control for Charitable Institutions, Frankfort, Ky.

ALBERT SCOTT, President,
Kentucky State Board of Control for Charitable Institutions.

RESIDENCE, ETC.

Thiells, N. Y.

Sealed proposals for Superintendent's Residence, Farm Barn and Ice House: construction including heating, plumbing and electric work, at Letchworth Village, Thiells, N. Y., will be received by Franklin B. Kirkbride, Secretary, Board of Managers, at Room 215, No. 55 Wall St., New York City, until ten o'clock A. M., on Thursday, July 6, 1911, when they will be opened and read publicly.

Proposals shall be accompanied by a certified check in the sum of 5 per cent. of the amount of proposal, and the contractor to whom the award is made will be required to furnish surety company bond in the sum of 50 per cent. of the amount of contract, within 30 days after notice of award of contract and in accordance with the terms of specification No. 1429. The right is reserved to reject any or all bids.

Drawings and specifications may be consulted and blank forms of proposal obtained at the office of Franklin B. Kirkbride, Secretary of the Board of Managers, No. 55 Wall St., New York City; at the office of the Superintendent, Letchworth Village, Thiells, N. Y.; and at the office of the State Architect. Complete sets of plans and specifications will be furnished to prospective bidders upon reasonable notice to and in the discretion of the State Architect, Franklin B. Ware, Albany, N. Y.

WATER-WORKS.

CITY OF FREDERICK, FREDERICK COUNTY, MARYLAND.

Sealed proposals, addressed to the Board of Aldermen of the City of Frederick, Frederick County, Maryland, will be received until 2 o'clock P. M., June 15th, at the office of the City Register, for furnishing and also laying cast-iron pipes, special castings, valves and etc.

Plans and specifications and all information can be obtained from the Engineer or the Water Superintendent.

A certified check for $500.00 must accompany each bid.

The Board of Aldermen of the City of Frederick reserves the right to accept or reject any or all bids.

Committee:
L. A. RICE, Chairman.
J. D. CRIMMINS.
J. L. JOHNSON.

FRANK F. TYERYAR, Supt.,
Frederick, Md.

WILLIAM H. BOARDMAN,
Engineer.
426 Walnut St., Phila.

For Additional
PROPOSAL
Advertisements
See pages 278 and 279

Situations Wanted

Civil Engineers

CIVIL engineer graduate (1910) wishes position in any part of the country; one years' experience. Address "R. B. 20," Engineering News, New York. 23-1t

Surveyors

POSITION wanted by transitman with eight years' experience, including tunnel work and general railroad construction; best of references. Address "A. B. 23," Engineering News, New York. 23-1t

RODMAN (21), survey or construction; salary immaterial; engineer or contractor. Address "P. A. 22," Engineering News, New York. 23-1t

RODMAN (21), experienced road construction, surveying and office; salary no object. Address "P. B. 23," Engineering News, New York. 23-1t

Draftsmen

MECHANICAL draftsman (21); experienced on heaters and condensers. Salary no object. Address "R. B. 23," Engineering News, New York. 23-1t

GRADUATE of Cooper Union Institute ('08); draftsman, mechanical; 7 years' experience general drafting work, wishes position; best references; moderate salary. Address "O. B. 23," Engineering News, New York. 23-1t

Superintendents, Misc., etc.

AMBITIOUS young man, technically educated, desires position with surveyor, engineer, contractor or builder, where experience could be obtained. Address "Z. B. 23," Engineering News, N. Y. 23-1t

Situations Open
(Or Vacant)

WANTED—Several detailers for structural steel work for buildings. Apply HAYES FOUNDRY AND IRON WORKS, Newark, N. J. 23-2t

CONSULTING ENGINEER wants structural draftsman able to design steel for buildings under direction. Give experience and salary. Address "S. B. 23," Engineering News, New York. 23-1t

WANTED—Several first-class detailers on bridge and structural work; also several graduates from one to two years' experience. Apply by letter, stating age, education and experience. Address "A. B.," Room 1618, Pennsylvania Building, Philadelphia, Pa. 23-2t

WANTED—At once, by a company fabricating a general line of bridge and structural steel, a competent man to fill the position of chief engineer. He must be thoroughly experienced in designing, estimating and contracting. None but competent men need apply. Give age, reference, past experience, salary expected and earliest date available. Address "C. B. 23," Engineering News, New York. 23-3t

WANTED—Several experienced fitters and checkers. HINKLE IRON CO., West 56th St., New York. 23-1t

For Sale

RECEIVER'S SALE EQUIPMENT

Ferguson Contracting Co.'s Plant

at New Rochelle, N. Y., consisting of hoisting engines, derricks, buckets, cars, concrete mixers, cableway engine. Prices less than half cost. Every part guaranteed. For information, prices, etc., see caretaker on plant, or

O. R. WHITNEY,
39 Cortlandt St.
'Phone Cortlandt 6095

JOHN F. CONNELL,
120 Liberty St.
'Phone Cortlandt 2672

FOR SALE.

One

Marion (Improved) Steam Shovel

Style "A," No. 695. Will be sold cheap. Address SCHENECTADY POWER COMPANY, Schaghticoke, N. Y. 21-3t

Locomotives, Cars, Steam Shovels

We own and offer for sale
1 American saddle tank, 10 × 16, 36" gauge;
1 6-ton Byers geared locomotive, 36" gauge;
1 40' steel frame derrick car, s. g.; 11 6-yard 2-way, s. g., K & J dump cars; 9 6 yard 2-way, s. g. Western dump cars.

MILLER & FRANCIS CO.,
30 Church Street, New York

Locomotive Crane

FOR SALE.

1—Brown Hoist, 3-ton gauge, 4' 8½', Boom 20', Engine 5½ × 9, Boiler 36"; capacity 8,400 at 12'; 3,600 at 20'.

HOISTING MACHINERY CO.,
50 Church St.
Tel. 5925 Cort. New York.

Traction Engine and Grader

One Colean 25-HP. double engine, Special Contractors Traction Engine. One New Era Grader, complete, with new belt and extra parts. This plant just out of work. Reason for selling because we have finished job. Price on Engine and Grader $1,400.00. Bargain. THE CENTRAL DREDGING COMPANY, Schuylerville, N. Y. 23-2t

WANTED

to buy, No. 1, ¾-yard

Thew Shovel

single truck, standard gauge; advise age, condition, price, and where it can be inspected. Address BOX 326, Syracuse, Ind. 23-1t

One Sullivan Air Compressor

2-stage, 202 × 24" steam end, 14" × 22" × 24" air end, 1,160 cu. ft. per minute at 110 r. p. m. Thoroughly overhauled since last used, and for all practical purposes as good as new. Has only seen about 12 months' total service.

THE WM. J. OLIVER MFG. COMPANY,
50 Church Street, New York.
23-1t

Engineers, Take Notice

FOR SALE CHEAP.

Fine Planimeter.
Fine Aneroid Barometer.
Locke's Hand Level.
Fine Arm Protractor.
50-foot Steel Tape.
100-foot Steel Tape.
Drawing Table, 31" × 42".
Set Alteneder Drawing Instruments, and numerous other things.

HARRY CURRY,
Palmyra, N. J.
23-1t